



# Water treatment components

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## **FILTER HOUSINGS, FILTER CARTRIDGES AND VARIOUS FILTERS**

PLASTIC HEAD FILTER HOUSINGS - BRASS-HEAD FILTER HOUSINGS - J BIG FILTER HOUSINGS - FILTER CARTRIDGES IN WASHABLE PLASTIC MESH - STRING WOUND POLYPROPYLENE FILTERING CARTRIDGES - MELT-BLOWN POLYPROPYLENE FILTER CARTRIDGES - CARBON BLOCK FILTERING CARTRIDGES - GAC GRANULAR ACTIVE CARBON FILTER CARTRIDGES - CARTRIDGES WITH FILTER MEDIA - DOUBLE ACTION FILTER CARTRIDGES - STAINLESS STEEL FILTERING CARTRIDGES - PLEATED CARTRIDGES - MICROFILTRATION CARTRIDGES - FILTER CARTRIDGES FOR BRASS HEAD FILTER HOUSINGS - CINTROPUR FILTERS - SEMIAUTOMATIC MANUAL CLEANING FILTERS - AUTOMATIC SELF-CLEANING FILTERS - POLYPHOSPHATE BATCHERS AND ACCESSORIES - MAGNETIC DIRT SEPARATORS - CONDENSATION NEUTRALIZER - BOILER KIT - BAYONET QUICK-FIT CARTRIDGES - POINT OF USE - IN-LINE FILTERS - IN-LINE UF-ULTRAFILTRATION MEMBRANES - ALKALINE FILTERS - Y TYPE OBLIQUE FILTERS - 2-PIECE FILTER HOUSINGS FOR HOUSEHOLD RO SYSTEMS

## PLASTIC HEAD FILTER HOUSINGS

### 3P-CS-CP

### 3-piece bracket-mountable housings with PP head – CP series



Filter housings for cartridges with blue reinforced PP head featuring brass inserts and transparent SAN bowl, ideal for domestic, commercial and industrial water treatment applications.  
Available in 9 3/4" and 20" versions, with female threaded connections in the following sizes: 1/2", 3/4", 1", 1 1/4" and 1 1/2".

Made in Italy.  
DM174 and ACS certified.

#### Technical features:

- Head: reinforced PP with brass inserts
- Bowl: transparent blue SAN
- Operating temperature: +5°C / +50°C
- Maximum working pressure: 10 bar

CP series housings ensure robustness, reliability and excellent filtration performance, making them particularly suitable for installations requiring mechanical strength and visual inspection of the installed filter.

| Item-Nr:      | Description:                                                                                        |
|---------------|-----------------------------------------------------------------------------------------------------|
| CS09PBST012CP | 9 3/4" filter housing blue PP head and transparent SAN bowl 1/2" F connections with brass inserts   |
| CS09PBST034CP | 9 3/4" filter housing blue PP head and transparent SAN bowl 3/4" F connections with brass inserts   |
| CS09PBST100CP | 9 3/4" filter housing blue PP head and transparent SAN bowl 1" F connections with brass inserts     |
| CS09PBST125CP | 9 3/4" filter housing blue PP head and transparent SAN bowl 1 1/4" F connections with brass inserts |
| CS09PBST150CP | 9 3/4" filter housing blue PP head and transparent SAN bowl 1 1/2" F connections with brass inserts |
| CS20PBST012CP | 20" filter housing blue PP head and transparent SAN bowl 1/2" F connections with brass inserts      |
| CS20PBST034CP | 20" filter housing blue PP head and transparent SAN bowl 3/4" F connections with brass inserts      |
| CS20PBST100CP | 20" filter housing blue PP head and transparent SAN bowl 1" F connections with brass inserts        |
| CS20PBST125CP | 20" filter housing blue PP head and transparent SAN bowl 1 1/4" F connections with brass inserts    |
| CS20PBST150CP | 20" filter housing blue PP head and transparent SAN bowl 1 1/2" F connections with brass inserts    |
| XCH3PECP      | Plastic wrench for CP 3-piece filter housings                                                       |
| XEASP1TZCP    | Single mounting bracket in plastic for CP 3-piece filter housings                                   |

## 3P-CS-CP Duo

## 3P-CS-CP DUO 3-piece filter housings duple-head



Filter housings for cartridges with blue reinforced PP head featuring brass inserts and transparent SAN bowl, ideal for domestic, commercial and industrial water treatment applications.  
Available in 9¾" and 20" versions, with female threaded connections in the following sizes: 1/2", 3/4", 1", 1¼" and 1½".

Made in Italy.  
DM174 and ACS certified.

### Technical features:

- Head: reinforced PP with brass inserts
  - Bowl: transparent blue SAN
  - Operating temperature: +5°C / +50°C
  - Maximum working pressure: 10 bar
- CP series housings ensure robustness, reliability and excellent filtration performance, making them particularly suitable for installations requiring mechanical strength and visual inspection of the installed filter.

| Item-Nr:      | Description:                                                                                           |
|---------------|--------------------------------------------------------------------------------------------------------|
| CS09F034CP2AC | 3P-CS-CP DUO 9¾" Double 3-P filter housing PP-SAN transp. Inlet/outlet port ¾" F brass+support+spanner |
| CS09F100CP2AC | 3P-CS-CP DUO 9¾" Double 3-P filter housing PP-SAN transp. Inlet/outlet port 1" F brass+support+spanner |
| XEASF2CP      | Double support bracket in plastic for housing 3P-CS-CP DUO                                             |

## 3P-CS-CP TRIS

## 3P-CS-CP TRIS 3-piece triple head housings



Filter housings for cartridges with blue reinforced PP head featuring brass inserts and transparent SAN bowl, ideal for domestic, commercial and industrial water treatment applications.  
Available in 9¾" and 20" versions, with female threaded connections in the following sizes: 1/2", 3/4", 1", 1¼" and 1½".

Made in Italy.  
DM174 and ACS certified.

### Technical features:

- Head: reinforced PP with brass inserts
  - Bowl: transparent blue SAN
  - Operating temperature: +5°C / +50°C
  - Maximum working pressure: 10 bar
- CP series housings ensure robustness, reliability and excellent filtration performance, making them particularly suitable for installations requiring mechanical strength and visual inspection of the installed filter.

| Item-Nr:      | Description:                                                                                                |
|---------------|-------------------------------------------------------------------------------------------------------------|
| CS09F034CP3AC | 3P-CS-CP TRIS 9¾" Tripleable 3-P filter housing PP-SAN transp. Inlet/outlet port ¾" F brass+support+spanner |
| CS09F100CP3AC | 3P-CS-CP TRIS 9¾" Tripleable 3-P filter housing PP-SAN transp. Inlet/outlet port 1" F brass+support+spanner |
| XEASF3CP      | Triple support bracket in plastic for housing 3P-CS-CP Tris                                                 |

## 3P-CS-K-10

## 3-piece bracket-mountable housings with PP head – K serie



Range of 3-piece filter housings for cartridges, available in the standard 10" height, ideal for domestic and commercial water treatment applications. They are available with female threaded connections in the following sizes: 1/2", 3/4", 1". Complete with wrench and bracket.

### Technical features:

- Maximum working pressure: 9 bar (130 psi)
- Burst pressure: 20.7 bar (300 psi)

The 3P-CS-K housings represent a cost-effective and reliable solution for filtration systems, offering good performance and easy installation.

| Item-Nr:     | Description:                                                                                          |
|--------------|-------------------------------------------------------------------------------------------------------|
| CS10PBST015K | 10" 3-Piece filter housing PP Blue-SAN transparent inlet/outlet port 1/2" F brass w/spanner + bracket |
| CS10PBST020K | 10" 3-Piece filter housing PP Blue-SAN transparent inlet/outlet port 3/4" F brass w/spanner + bracket |
| CS10PBST025K | 10" 3-Piece filter housing PP Blue-SAN transparent inlet/outlet port 1" F brass w/spanner + bracket   |

## BRASS-HEAD FILTER HOUSINGS

### CT-OTCS Brass head

### 3-piece filter housings with brass head – CT OT series



Filter housings for filter cartridges with nickel-plated brass head and ring nut and transparent SAN bowl, ideal for domestic, commercial and industrial water treatment applications where high standards of mechanical strength, reliability and long service life are required.

Available in 9/4", 10" and 20" versions, with female threaded connections in the following sizes: 3/4", 1", 1"1/4, 1"1/2 and 2".

Models with 3/4" and 1" connections are equipped with bracket-mountable heads and use standard cartridges, while 1"1/4, 1"1/2 and 2" versions require special cartridges to ensure higher flow rates.

(°) For 1"1/4 - 1"1/2 - 2" models use only special cartridges type R0-PE-BX / SSL-BX / SSP-BX.

Technical features:

- Head: nickel-plated brass head
- Bowl: transparent SAN
- Maximum operating temperature: 60°C
- Maximum working pressure: 10 bar

OT series housings guarantee high filtration performance, robustness and long service life, making them particularly suitable for professional installations and high-flow applications.

Made in Italy.

| Item-Nr:      | Description:                                                                                        |
|---------------|-----------------------------------------------------------------------------------------------------|
| CT09OTST020GS | 9/4" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 3/4" F 2500 l/h       |
| CT09OTST025GS | 9/4" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 1" F 3900 l/h         |
| CT10OTST032GS | 10" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 1 1/4" F 6200 l/h (°)  |
| CT10OTST040GS | 10" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 1 1/2" F 10000 l/h (°) |
| CT10OTST050GS | 10" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 2" F 13000 l/h (°)     |
| CT20OTST020GS | 20" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 3/4" F 3500 l/h        |
| CT20OTST025GS | 20" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 3/4"1" F 5000 l/h      |
| CT20OTST032GS | 20" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 1 1/4" F 8000 l/h (°)  |
| CT20OTST040GS | 20" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 1 1/2" F 12500 l/h (°) |
| CT20OTST050GS | 20" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 2" F 16000 l/h (°)     |
| XCT09OTVAS    | 9/4" bowl of SAN transparent for CT Series filter housings with brass head                          |
| XCT20OTVAS    | 20" bowl of SAN transparent for CT Series filter housings with brass head                           |
| XCTCHI        | Galvanised steel spanner for CT Series filter housings with brass head                              |
| XCTSTAF01     | Single metal bracket for CT Series filter housings with brass head                                  |

## 2-PIECE FILTER HOUSINGS FOR HOUSEHOLD RO SYSTEMS

### RO housings

### 2-Piece Plastic cartridge housing



2-piece housings designed for standard 5" and 10" filter cartridges used in domestic reverse osmosis systems. Designed to simplify maintenance operations and the periodic replacement of filter cartridges, they are compatible with the most common drinking water treatment system configurations.

**Main Features**  
For standard 5" and 10" filter cartridges  
2-piece design  
Easy installation and maintenance  
Compatible with domestic reverse osmosis systems

| Item-Nr:      | Description:                                                                         |
|---------------|--------------------------------------------------------------------------------------|
| RH05PBPB014NP | 5" 2-piece PP housing with white bowl and white head 1/4" NPT F/F connections        |
| RH10PBPB014NP | 10" 2-piece PP housing with white bowl and white head 1/4" NPT F/F connections       |
| RH10PBPT014NP | 10" 2-piece PP housing with transparent bowl and white head 1/4" NPT F/F connections |



## J BIG FILTER HOUSINGS

### J-BIG WB housings

### J-BIG WB JUMBO housings



J BIG Jumbo two-piece housing, available in 10" and 20" versions, designed for high-flow filtration applications. Available with plastic connections in 1" - 1¼" - 1½", it ensures strength, reliability, and easy installation. Ideal for domestic, industrial, and water treatment use, it allows the housing of high-capacity filter cartridges.

| Item-Nr:    | Description:                                                      |
|-------------|-------------------------------------------------------------------|
| WB10PNPB100 | 2-piece 10" J-BIG WB "Jumbo" housing with 1" plastic connections  |
| WB10PNPB112 | 2-piece 10" J-BIG WB "Jumbo" housing with 1½" plastic connections |
| WB10PNPB114 | 2-piece 10" J-BIG WB "Jumbo" housing with 1¼" plastic connections |
| WB20PNPB100 | 2-piece 20" J-BIG WB "Jumbo" housing 1" plastic connections       |
| WB20PNPB112 | 2-piece 20" J-BIG WB "Jumbo" housing 1½" plastic connections      |
| WBBR01      | Single painted metal bracket for J-BIG WB housings                |
| WBBR03      | Triple painted metal bracket for J-BIG WB housings                |
| WBCH        | Spanner for J-BIG WB housing                                      |
| WBORING     | O-ring for J-BIG WB housing                                       |
| WBVT        | Replacement screws for J-BIG WB housing (kit of 4 screws)         |

## FILTER CARTRIDGES IN WASHABLE PLASTIC MESH

### NA-WASH-DOE

Washable polyester mesh filter cartridges double open end (DOE)



Washable polyester mesh filter cartridges with double open end (DOE), ideal for general filtration of sediments such as sand, rust and other suspended impurities. Washable and reusable cartridges characterized by high mechanical strength and long service life.

Technical data:

- Body: polypropylene LV30
- Filter mesh: washable polyester
- Seals: silicone
- Operating temperature: +4°C / +45°C
- Available lengths: 4" - 5" - 7" - 9¾" - 20"
- Filtration rating: 60 micron

Applications:

Residential use: prefiltration of drinking water and/or systems requiring pre-treatment, such as pumps, heating systems, taps, water softeners, etc.  
Industrial use: prefiltration of systems requiring sediment removal, such as pumps, irrigation systems and industrial and commercial installations, etc.

Service life: approx. 2 years

Maintenance: rinse every 2-3 months

| Item-Nr:     | Description:                                       |
|--------------|----------------------------------------------------|
| QU04NP060OPD | 4" washable polyester mesh filter cartridge 60 µm  |
| QU05NP060OPD | 5" washable polyester mesh filter cartridge 60 µm  |
| QU07NP060WW  | 7" washable polyester mesh filter cartridge 60 µm  |
| QU10NP060WW  | 9¾" washable polyester mesh filter cartridge 60 µm |
| QU20NP060WW  | 20" washable polyester mesh filter cartridge 60 µm |

## STRING WOUND POLYPROPYLENE FILTERING CARTRIDGES

### FA-PP-DOE 5

### FA wound polypropylene string filter cartridges 5" double open end (DOE)



5"

Wound polypropylene string filter cartridges with double open end (DOE), for general filtration of sediments such as sand, rust and other suspended impurities. Cartridges for sediment prefiltration, characterized by good removal efficiency and ease of use.

#### Technical data:

- Material: polypropylene (PP)
- Sediment retention efficiency: 96% - 99%
- Burst pressure: 2.5 Pa
- Maximum operating temperature: 70°C (160°F)
- Internal diameter: 28 mm
- External diameter: 63 mm

Service life: 6-12 months

Maintenance: none (disposable)

#### Applications:

Residential use: prefiltration of drinking water and/or systems requiring pre-treatment such as pumps, heating systems, taps, water softeners, etc.

Industrial use: prefiltration of systems requiring sediment removal such as pumps, irrigation, and industrial and commercial installations, etc.

| Item-Nr:  | Description:                              |
|-----------|-------------------------------------------|
| AM05PP001 | FA 5" string wound PP cartridge 1 µm      |
| AM05PP005 | FA 5" string wound PP cartridge 5 µm      |
| AM05PP010 | FA 5" string wound PP cartridge 10 µm     |
| AM05PP020 | FA 5" string wound PP cartridge 20- 25 µm |
| AM05PP050 | FA 5" string wound PP cartridge 50 µm     |

## FA-PP-DOE 7

## FA wound polypropylene string filter cartridges 7" double open end (DOE)



Wound polypropylene string filter cartridges with double open end (DOE), for general filtration of sediments such as sand, rust and other suspended impurities.

### Technical data:

- Material: polypropylene (PP)
- Sediment retention efficiency: 96% - 99%
- Burst pressure: 2.5 Pa
- Maximum operating temperature: 70°C (160°F)
- Internal diameter: 28 mm
- External diameter: 63 mm

Service life: 6-12 months

Maintenance: none (disposable)

Cartridges for sediment prefiltration, characterized by good removal efficiency and ease of use.

### Applications:

Residential use: prefiltration of drinking water and/or systems requiring pre-treatment such as pumps, heating systems, taps, water softeners, etc.

Industrial use: prefiltration of systems requiring sediment removal such as pumps, irrigation, and industrial and commercial installations, etc.

| Item-Nr:  | Description:                             |
|-----------|------------------------------------------|
| AM07PP001 | FA 7" string wound PP cartridge 1 µm     |
| AM07PP005 | FA 7" string wound PP cartridge 5 µm     |
| AM07PP010 | FA 7" string wound PP cartridge 10 µm    |
| AM07PP020 | FA 7" string wound PP cartridge 20-25 µm |
| AM07PP050 | FA 7" string wound PP cartridge 50 µm    |

## FA-PP-DOE 9

## FA wound polypropylene string filter cartridges 9 3/4" double open end (DOE)



9" 3/4

Wound polypropylene string filter cartridges with double open end (DOE), for general filtration of sediments such as sand, rust and other suspended impurities.

### Technical data:

- Material: polypropylene (PP)
- Sediment retention efficiency: 96% - 99%
- Burst pressure: 2.5 Pa
- Maximum operating temperature: 70°C (160°F)
- Internal diameter: 28 mm
- External diameter: 63 mm

Service life: 6-12 months

Maintenance: none (disposable)

Cartridges for sediment prefiltration, characterized by good removal efficiency and ease of use.

### Applications:

Residential use: prefiltration of drinking water and/or systems requiring pre-treatment such as pumps, heating systems, taps, water softeners, etc.

Industrial use: prefiltration of systems requiring sediment removal such as pumps, irrigation, and industrial and commercial installations, etc.

| Item-Nr:  | Description:                                 |
|-----------|----------------------------------------------|
| AM09PP001 | FA 9 3/4" string wound PP cartridge 1 µm     |
| AM09PP005 | FA 9 3/4" string wound PP cartridge 5 µm     |
| AM09PP010 | FA 9 3/4" string wound PP cartridge 10 µm    |
| AM09PP020 | FA 9 3/4" string wound PP cartridge 20-25 µm |
| AM09PP050 | FA 9 3/4" string wound PP cartridge 50 µm    |

## FA-PP-DOE 10

## FA wound polypropylene string filter cartridges 10" double open end (DOE)



10"

Wound polypropylene string filter cartridges with double open end (DOE), for general filtration of sediments such as sand, rust and other suspended impurities.

### Technical data:

- Material: polypropylene (PP)
- Sediment retention efficiency: 96% - 99%
- Burst pressure: 2.5 Pa
- Maximum operating temperature: 70°C (160°F)
- Internal diameter: 28 mm
- External diameter: 63 mm

Service life: 6-12 months

Maintenance: none (disposable)

Cartridges for sediment prefiltration, characterized by good removal efficiency and ease of use.

### Applications:

Residential use: prefiltration of drinking water and/or systems requiring pre-treatment such as pumps, heating systems, taps, water softeners, etc.

Industrial use: prefiltration of systems requiring sediment removal such as pumps, irrigation, and industrial and commercial installations, etc.

| Item-Nr:  | Description:                              |
|-----------|-------------------------------------------|
| AM10PP001 | FA 10" string wound PP cartridge 1 µm     |
| AM10PP005 | FA 10" string wound PP cartridge 5 µm     |
| AM10PP010 | FA 10" string wound PP cartridge 10 µm    |
| AM10PP020 | FA 10" string wound PP cartridge 20-25 µm |
| AM10PP050 | FA 10" string wound PP cartridge 50 µm    |

## FA-PP-DOE 20

## FA wound polypropylene string filter cartridges 20" double open end (DOE)



20"

Wound polypropylene string filter cartridges with double open end (DOE), for general filtration of sediments such as sand, rust and other suspended impurities.

### Technical data:

- Material: polypropylene (PP)
- Sediment retention efficiency: 96% - 99%
- Burst pressure: 2.5 Pa
- Maximum operating temperature: 70°C (160°F)
- Internal diameter: 28 mm
- External diameter: 63 mm

Service life: 6-12 months

Maintenance: none (disposable)

Cartridges for sediment prefiltration, characterized by good removal efficiency and ease of use.

### Applications:

Residential use: prefiltration of drinking water and/or systems requiring pre-treatment such as pumps, heating systems, taps, water softeners, etc.

Industrial use: prefiltration of systems requiring sediment removal such as pumps, irrigation, and industrial and commercial installations, etc.

| Item-Nr:  | Description:                           |
|-----------|----------------------------------------|
| AM20PP001 | FA 20" string wound PP cartridge 1 µm  |
| AM20PP005 | FA 20" string wound PP cartridge 5 µm  |
| AM20PP010 | FA 20" string wound PP cartridge 10 µm |
| AM20PP020 | FA 20" string wound PP cartridge 20 µm |
| AM20PP050 | FA 20" string wound PP cartridge 50 µm |

## FA-PP-DOE 30

## FA wound polypropylene string filter cartridges 30" double open end (DOE)



Wound polypropylene string filter cartridges with double open end (DOE), for general filtration of sediments such as sand, rust and other suspended impurities.

### Technical data:

- Material: polypropylene (PP)
- Sediment retention efficiency: 96% - 99%
- Burst pressure: 2.5 Pa
- Maximum operating temperature: 70°C (160°F)
- Internal diameter: 28 mm
- External diameter: 63 mm

Service life: 6-12 months

Maintenance: none (disposable)

Cartridges for sediment prefiltration, characterized by good removal efficiency and ease of use.

### Applications:

Residential use: prefiltration of drinking water and/or systems requiring pre-treatment such as pumps, heating systems, taps, water softeners, etc.

Industrial use: prefiltration of systems requiring sediment removal such as pumps, irrigation, and industrial and commercial installations, etc.

| Item-Nr:  | Description:                           |
|-----------|----------------------------------------|
| AM30PP001 | FA 30" string wound PP cartridge 1 µm  |
| AM30PP005 | FA 30" string wound PP cartridge 5 µm  |
| AM30PP010 | FA 30" string wound PP cartridge 10 µm |
| AM30PP020 | FA 30" string wound PP cartridge 20 µm |
| AM30PP050 | FA 30" string wound PP cartridge 50 µm |



## FA-PP-DOE 40

## FA wound polypropylene string filter cartridges 40" double open end (DOE)



40"

Wound polypropylene string filter cartridges with double open end (DOE), for general filtration of sediments such as sand, rust and other suspended impurities.

### Technical data:

- Material: polypropylene (PP)
- Sediment retention efficiency: 96% - 99%
- Burst pressure: 2.5 Pa
- Maximum operating temperature: 70°C (160°F)
- Internal diameter: 28 mm
- External diameter: 63 mm

Service life: 6-12 months

Maintenance: none (disposable)

Cartridges for sediment prefiltration, characterized by good removal efficiency and ease of use.

### Applications:

Residential use: prefiltration of drinking water and/or systems requiring pre-treatment such as pumps, heating systems, taps, water softeners, etc.

Industrial use: prefiltration of systems requiring sediment removal such as pumps, irrigation, and industrial and commercial installations, etc.

| Item-Nr:  | Description:                           |
|-----------|----------------------------------------|
| AM40PP001 | FA 40" string wound PP cartridge 1 µm  |
| AM40PP005 | FA 40" string wound PP cartridge 5 µm  |
| AM40PP010 | FA 40" string wound PP cartridge 10 µm |
| AM40PP020 | FA 40" string wound PP cartridge 20 µm |
| AM40PP050 | FA 40" string wound PP cartridge 50 µm |

## FA-PP-DOE BIG 10

## FA wound polypropylene cartridges for J-BIG WB JUMBO housings (DOE)



BIG polypropylene filter cartridges made of wound polypropylene yarn with double open end (DOE), designed for installation in high-flow J-BIG WB JUMBO housings, ideal for the general filtration of sediments such as sand, rust and other suspended impurities.

**Technical data:**

- Material: polypropylene (PP)
- Sediment retention capacity: 96% - 99%
- Burst pressure: 2.5 bar
- Maximum operating temperature: 70°C (160°F)
- Inner diameter: 28 mm
- BIG outer diameter: 110 - 115 mm

Average service life: 6-12 months

Maintenance: none (disposable)

BIG cartridges for sediment pre-filtration, featuring high filtration capacity, higher flow rate and long service life.

**Applications:**

Residential use: pre-filtration of drinking water and/or systems requiring high-flow pre-treatment, such as pumps, heating systems, faucets, water softeners, etc.

Industrial use: pre-filtration of systems requiring sediment removal in industrial and commercial plants, irrigation systems, water treatment and high-flow applications, etc.

| Item-Nr:      | Description:                                                  |
|---------------|---------------------------------------------------------------|
| AMB10PP005DOE | FA 10" BIG string wound PP cartridge 5 µm for J BIG housings  |
| AMB10PP020DOE | FA 10" BIG string wound PP cartridge 20 µm for J BIG housings |
| AMB10PP050DOE | FA 10" BIG string wound PP cartridge 50 µm for J BIG housings |

## FA-P-DOE BIG 20

## FA wound polypropylene cartridges for J-BIG WB JUMBO housings (DOE)



BIG polypropylene filter cartridges made of wound polypropylene yarn with double open end (DOE), designed for installation in high-flow J-BIG WB JUMBO housings, ideal for the general filtration of sediments such as sand, rust and other suspended impurities.

**Technical data:**

- Material: polypropylene (PP)
- Sediment retention capacity: 96% - 99%
- Burst pressure: 2.5 bar
- Maximum operating temperature: 70°C (160°F)
- Inner diameter: 28 mm
- BIG outer diameter: 110 - 115 mm

Average service life: 6-12 months

Maintenance: none (disposable)

BIG cartridges for sediment pre-filtration, featuring high filtration capacity, higher flow rate and long service life.

**Applications:**

Residential use: pre-filtration of drinking water and/or systems requiring high-flow pre-treatment, such as pumps, heating systems, faucets, water softeners, etc.

Industrial use: pre-filtration of systems requiring sediment removal in industrial and commercial plants, irrigation systems, water treatment and high-flow applications, etc.

| Item-Nr:      | Description:                                                  |
|---------------|---------------------------------------------------------------|
| AMB20PP005DOE | FA 20" BIG string wound PP cartridge 5 µm for J BIG housings  |
| AMB20PP020DOE | FA 20" BIG string wound PP cartridge 20 µm for J BIG housings |
| AMB20PP050DOE | FA 20" BIG string wound PP cartridge 50 µm for J BIG housings |

## MELT-BLOWN POLYPROPYLENE FILTER CARTRIDGES

### MB-PP-DOE 5

### Polypropylene melt-blown cartridges (DOE)



Filter cartridges manufactured using meltblown technology in polypropylene microfibres.

The graded density structure ensures high particle retention capacity, providing excellent filtration efficiency, longer service life, and reduced replacement frequency.

#### Technical data:

- Material: polypropylene (PP)
- Sediment retention capacity: 96% - 99%
- Maximum pressure: 300 psi
- Maximum operating temperature: 50°C (120°F)
- Inner diameter: 28 mm
- Outer diameter: 63 mm

Service life: 6-12 months, depending on operating conditions and water quality

Maintenance: none (disposable)

#### Advantages:

High particle retention capacity for efficient and long-lasting filtration. Excellent chemical resistance, suitable for a wide range of industrial applications.

Binder-free and additive-free structure, ensuring maximum purity and compatibility with critical fluids.

Long service life, reducing maintenance and replacement costs. Low pressure drop for optimized flow and stable performance.

#### Applications:

Water treatment: removal of sediments and particles from drinking and process water

Food & beverage industry: clarification and filtration of production liquids

Pharmaceutical & chemical sector: purification of sensitive solutions and products

Oil & gas: equipment protection and industrial fluid filtration

Metal finishing: treatment of electroplating and galvanic baths

| Item-Nr:     | Description:                                           |
|--------------|--------------------------------------------------------|
| MB05PP005000 | 5" melt-blown MB cartridge in polypropylene fiber 5 µm |

## MB-PP-DOE 9

## Polypropylene melt-blown cartridges (DOE)



9" 3/4

Filter cartridges manufactured using meltblown technology in polypropylene microfibres.

The graded density structure ensures high particle retention capacity, providing excellent filtration efficiency, longer service life, and reduced replacement frequency.

### Technical data:

- Material: polypropylene (PP)
- Sediment retention capacity: 96% - 99%
- Maximum pressure: 300 psi
- Maximum operating temperature: 50°C (120°F)
- Inner diameter: 28 mm
- Outer diameter: 63 mm

Service life: 6-12 months, depending on operating conditions and water quality

Maintenance: none (disposable)

### Advantages:

High particle retention capacity for efficient and long-lasting filtration. Excellent chemical resistance, suitable for a wide range of industrial applications.

Binder-free and additive-free structure, ensuring maximum purity and compatibility with critical fluids.

Long service life, reducing maintenance and replacement costs. Low pressure drop for optimized flow and stable performance.

### Applications:

Water treatment: removal of sediments and particles from drinking and process water

Food & beverage industry: clarification and filtration of production liquids

Pharmaceutical & chemical sector: purification of sensitive solutions and products

Oil & gas: equipment protection and industrial fluid filtration

Metal finishing: treatment of electroplating and galvanic baths

| Item-Nr:     | Description:                                                 |
|--------------|--------------------------------------------------------------|
| MB09PP001000 | 9 3/4" melt-blown MB cartridge in polypropylene fiber 1 µm   |
| MB09PP005000 | 9 3/4" melt-blown MB cartridge in polypropylene fiber 5 µm   |
| MB09PP010000 | 9 3/4" melt-blown MB cartridge in polypropylene fiber 10 µm  |
| MB09PP020000 | 9 3/4" melt-blown MB cartridge in polypropylene fiber 20 µm  |
| MB09PP050000 | 9 3/4" melt-blown MB cartridge in polypropylene fiber 50 µm  |
| MB09PP100000 | 9 3/4" melt-blown MB cartridge in polypropylene fiber 100 µm |

## MB-PP-DOE 10

## Polypropylene melt-blown cartridges (DOE)



Filter cartridges manufactured using meltblown technology in polypropylene microfibres.

The graded density structure ensures high particle retention capacity, providing excellent filtration efficiency, longer service life, and reduced replacement frequency.

### Technical data:

- Material: polypropylene (PP)
- Sediment retention capacity: 96% - 99%
- Maximum pressure: 300 psi
- Maximum operating temperature: 50°C (120°F)
- Inner diameter: 28 mm
- Outer diameter: 63 mm

Service life: 6-12 months, depending on operating conditions and water quality

Maintenance: none (disposable)

### Advantages:

High particle retention capacity for efficient and long-lasting filtration. Excellent chemical resistance, suitable for a wide range of industrial applications.

Binder-free and additive-free structure, ensuring maximum purity and compatibility with critical fluids.

Long service life, reducing maintenance and replacement costs. Low pressure drop for optimized flow and stable performance.

### Applications:

Water treatment: removal of sediments and particles from drinking and process water

Food & beverage industry: clarification and filtration of production liquids

Pharmaceutical & chemical sector: purification of sensitive solutions and products

Oil & gas: equipment protection and industrial fluid filtration

Metal finishing: treatment of electroplating and galvanic baths

| Item-Nr:     | Description:                                              |
|--------------|-----------------------------------------------------------|
| MB10PP001000 | 10" melt-blown MB cartridge in polypropylene fiber 1 µm   |
| MB10PP005000 | 10" melt-blown MB cartridge in polypropylene fiber 5 µm   |
| MB10PP010000 | 10" melt-blown MB cartridge in polypropylene fiber 10 µm  |
| MB10PP020000 | 10" melt-blown MB cartridge in polypropylene fiber 20 µm  |
| MB10PP050000 | 10" melt-blown MB cartridge in polypropylene fiber 50 µm  |
| MB10PP100000 | 10" melt-blown MB cartridge in polypropylene fiber 100 µm |

## MB-PP-DOE 20

## Polypropylene melt-blown cartridges (DOE)



Filter cartridges manufactured using meltblown technology in polypropylene microfibres.

The graded density structure ensures high particle retention capacity, providing excellent filtration efficiency, longer service life, and reduced replacement frequency.

### Technical data:

- Material: polypropylene (PP)
- Sediment retention capacity: 96% - 99%
- Maximum pressure: 300 psi
- Maximum operating temperature: 50°C (120°F)
- Inner diameter: 28 mm
- Outer diameter: 63 mm

Service life: 6-12 months, depending on operating conditions and water quality

Maintenance: none (disposable)

### Advantages:

High particle retention capacity for efficient and long-lasting filtration. Excellent chemical resistance, suitable for a wide range of industrial applications.

Binder-free and additive-free structure, ensuring maximum purity and compatibility with critical fluids.

Long service life, reducing maintenance and replacement costs. Low pressure drop for optimized flow and stable performance.

### Applications:

Water treatment: removal of sediments and particles from drinking and process water

Food & beverage industry: clarification and filtration of production liquids

Pharmaceutical & chemical sector: purification of sensitive solutions and products

Oil & gas: equipment protection and industrial fluid filtration

Metal finishing: treatment of electroplating and galvanic baths

| Item-Nr:     | Description:                                             |
|--------------|----------------------------------------------------------|
| MB20PP001000 | 20" melt-blown MB cartridge in polypropylene fiber 1 µm  |
| MB20PP005000 | 20" melt-blown MB cartridge in polypropylene fiber 5 µm  |
| MB20PP010000 | 20" melt-blown MB cartridge in polypropylene fiber 10 µm |
| MB20PP020000 | 20" melt-blown MB cartridge in polypropylene fiber 20 µm |
| MB20PP050000 | 20" melt-blown MB cartridge in polypropylene fiber 50 µm |

## MB-PP-DOE 30

## Polypropylene melt-blown cartridges (DOE)



Filter cartridges manufactured using meltblown technology in polypropylene microfibres.

The graded density structure ensures high particle retention capacity, providing excellent filtration efficiency, longer service life, and reduced replacement frequency.

### Technical data:

- Material: polypropylene (PP)
- Sediment retention capacity: 96% - 99%
- Maximum pressure: 300 psi
- Maximum operating temperature: 50°C (120°F)
- Inner diameter: 28 mm
- Outer diameter: 63 mm

Service life: 6-12 months, depending on operating conditions and water quality

Maintenance: none (disposable)

### Advantages:

High particle retention capacity for efficient and long-lasting filtration. Excellent chemical resistance, suitable for a wide range of industrial applications.

Binder-free and additive-free structure, ensuring maximum purity and compatibility with critical fluids.

Long service life, reducing maintenance and replacement costs. Low pressure drop for optimized flow and stable performance.

### Applications:

Water treatment: removal of sediments and particles from drinking and process water

Food & beverage industry: clarification and filtration of production liquids

Pharmaceutical & chemical sector: purification of sensitive solutions and products

Oil & gas: equipment protection and industrial fluid filtration

Metal finishing: treatment of electroplating and galvanic baths

| Item-Nr:      | Description:                                              |
|---------------|-----------------------------------------------------------|
| MB30PP0010000 | 30" melt-blown MB cartridge in polypropylene fiber 1 µm   |
| MB30PP0050000 | 30" melt-blown MB cartridge in polypropylene fiber 5 µm   |
| MB30PP0200000 | 30" melt-blown MB cartridge in polypropylene fiber 20 µm  |
| MB30PP1000000 | 30" melt-blown MB cartridge in polypropylene fiber 100 µm |



## MB-PP-DOE 40

## Polypropylene melt-blown cartridges (DOE)



40"

Filter cartridges manufactured using meltblown technology in polypropylene microfibres.

The graded density structure ensures high particle retention capacity, providing excellent filtration efficiency, longer service life, and reduced replacement frequency.

### Technical data:

- Material: polypropylene (PP)
- Sediment retention capacity: 96% - 99%
- Maximum pressure: 300 psi
- Maximum operating temperature: 50°C (120°F)
- Inner diameter: 28 mm
- Outer diameter: 63 mm

Service life: 6-12 months, depending on operating conditions and water quality

Maintenance: none (disposable)

### Advantages:

High particle retention capacity for efficient and long-lasting filtration. Excellent chemical resistance, suitable for a wide range of industrial applications.

Binder-free and additive-free structure, ensuring maximum purity and compatibility with critical fluids.

Long service life, reducing maintenance and replacement costs. Low pressure drop for optimized flow and stable performance.

### Applications:

Water treatment: removal of sediments and particles from drinking and process water

Food & beverage industry: clarification and filtration of production liquids

Pharmaceutical & chemical sector: purification of sensitive solutions and products

Oil & gas: equipment protection and industrial fluid filtration

Metal finishing: treatment of electroplating and galvanic baths

| Item-Nr:      | Description:                                              |
|---------------|-----------------------------------------------------------|
| MB40PP0010000 | 40" melt-blown MB cartridge in polypropylene fiber 1 µm   |
| MB40PP0050000 | 40" melt-blown MB cartridge in polypropylene fiber 5 µm   |
| MB40PP0200000 | 40" melt-blown MB cartridge in polypropylene fiber 20 µm  |
| MB40PP0500000 | 40" melt-blown MB cartridge in polypropylene fiber 50 µm  |
| MB40PP1000000 | 40" melt-blown MB cartridge in polypropylene fiber 100 µm |

## MB-BIG 10

## Extruded polypropylene microfiber cartridges for J-BIG and WB BIG housings (DOE)



BIG filter cartridges for J-BIG and WB BIG housings made of extruded polypropylene microfiber using melt-blown graded density technology. The multilayer structure enables progressive and efficient filtration, with high sediment retention capacity throughout the full depth of the filter media. Designed for civil, industrial, and process applications, they ensure high performance, long service life, and low pressure drop even under high flow conditions.

The BIG configuration provides increased dirt-holding capacity, reducing replacement frequency and optimizing operating costs.

### Technical data:

- Material: extruded polypropylene (PP)
- Technology: melt-blown graded density
- Structure: microfiber without binders or additives
- Sediment retention capacity: 96% - 99%
- Maximum operating pressure: 300 psi ( $\approx$  20 bar)
- Maximum operating temperature: 50 - 60°C
- Inner diameter: 28 mm
- Outer diameter: BIG format (approx. 110 - 115 mm)
- Connection: DOE (Double Open End)

Service life: 6-12 months depending on water quality and operating conditions.

Maintenance: none (disposable product)

### Advantages:

- High particle and sediment removal capacity.
- Graded density structure for efficient and uniform filtration.
- Excellent chemical compatibility for industrial use.
- Low pressure drop and optimized flow performance.
- Longer service life compared to standard cartridges.
- No binders or additives for maximum filtrate purity.

### Applications:

- Civil and industrial water treatment.
- Pre-filtration for reverse osmosis and water treatment systems.
- Food and beverage industry.
- Chemical and pharmaceutical sector.
- Oil & Gas and industrial process fluids.
- Metal finishing: treatment of galvanic baths and electrodeposition.

| Item-Nr:   | Description:                                                      |
|------------|-------------------------------------------------------------------|
| MBB10PP001 | 10" BIG melt-blown cartridge in extruded polypropylene 1 $\mu$ m  |
| MBB10PP005 | 10" BIG melt-blown cartridge in extruded polypropylene 5 $\mu$ m  |
| MBB10PP010 | 10" BIG melt-blown cartridge in extruded polypropylene 10 $\mu$ m |
| MBB10PP020 | 10" BIG melt-blown cartridge in extruded polypropylene 20 $\mu$ m |
| MBB10PP050 | 10" BIG melt-blown cartridge in extruded polypropylene 50 $\mu$ m |

## MB-BIG 20

## Extruded polypropylene microfiber cartridges for J-BIG and WB BIG housings (DOE)



BIG filter cartridges for J-BIG and WB BIG housings made of extruded polypropylene microfiber using melt-blown graded density technology. The multilayer structure enables progressive and efficient filtration, with high sediment retention capacity throughout the full depth of the filter media. Designed for civil, industrial, and process applications, they ensure high performance, long service life, and low pressure drop even under high flow conditions.

The BIG configuration provides increased dirt-holding capacity, reducing replacement frequency and optimizing operating costs.

### Technical data:

- Material: extruded polypropylene (PP)
- Technology: melt-blown graded density
- Structure: microfiber without binders or additives
- Sediment retention capacity: 96% - 99%
- Maximum operating pressure: 300 psi ( $\approx$  20 bar)
- Maximum operating temperature: 50 - 60°C
- Inner diameter: 28 mm
- Outer diameter: BIG format (approx. 110 - 115 mm)
- Connection: DOE (Double Open End)

Service life: 6-12 months depending on water quality and operating conditions.

Maintenance: none (disposable product)

### Advantages:

- High particle and sediment removal capacity.
- Graded density structure for efficient and uniform filtration.
- Excellent chemical compatibility for industrial use.
- Low pressure drop and optimized flow performance.
- Longer service life compared to standard cartridges.
- No binders or additives for maximum filtrate purity.

### Applications:

- Civil and industrial water treatment.
- Pre-filtration for reverse osmosis and water treatment systems.
- Food and beverage industry.
- Chemical and pharmaceutical sector.
- Oil & Gas and industrial process fluids.
- Metal finishing: treatment of galvanic baths and electrodeposition.

| Item-Nr:   | Description:                                                      |
|------------|-------------------------------------------------------------------|
| MBB20PP001 | 20" BIG melt-blown cartridge in extruded polypropylene 1 $\mu$ m  |
| MBB20PP005 | 20" BIG melt-blown cartridge in extruded polypropylene 5 $\mu$ m  |
| MBB20PP010 | 20" BIG melt-blown cartridge in extruded polypropylene 10 $\mu$ m |
| MBB20PP020 | 20" BIG melt-blown cartridge in extruded polypropylene 20 $\mu$ m |
| MBB20PP050 | 20" BIG melt-blown cartridge in extruded polypropylene 50 $\mu$ m |

## CARBON BLOCK FILTERING CARTRIDGES

### CB CARBON BLOCK-DOE

Activated mineral carbon block filter cartridges with double open end (DOE)



Activated mineral carbon block filter cartridges with double open end (DOE), designed for the reduction of chlorine, pesticides, insecticides, and organic substances, as well as the removal of unpleasant tastes and odors from water.

**Technical data:**

- Material: activated carbon block
- Filtration rating: 5 µm
- Maximum operating pressure: 125 psi
- Maximum operating temperature: 52°C (125°F)
- Connection: DOE (Double Open End)

Average lifespan: 6-12 months

Maintenance: none (disposable product)

Warnings: do not expose the filter to direct sunlight

**Applications:**

Residential use: Reduction of chlorine and unwanted substances in drinking water, improving taste and odor.

Industrial use: Chlorine reduction in food, chemical, petrochemical, photographic, electroplating, and pharmaceutical processes.

Protection of reverse osmosis membranes and downstream filtration systems.

| Item-Nr:   | Description:                                     |
|------------|--------------------------------------------------|
| CB05CC0050 | 5" extruded mineral carbon block cartridge 5 µm  |
| CB09CC0050 | 9¾" extruded mineral carbon block cartridge 5 µm |
| CB10CC0050 | 10" extruded mineral carbon block cartridge 5 µm |
| CB20CC0050 | 20" extruded mineral carbon block cartridge 5 µm |

## CB CARBON BLOCK BIG-DOE

## BIG Activated mineral carbon block filter cartridges with double open end (DOE)



BIG activated carbon block filter cartridges with double open end (DOE) for J-Applications:

BIG and WB BIG housings, designed for the reduction of chlorine, pesticides, insecticides, and organic substances, as well as the removal of unpleasant tastes and odors from water.

Technical data:

- Material: activated carbon block
- Filtration rating: 5 µm
- Maximum operating pressure: 125 psi
- Maximum operating temperature: 52°C (125°F)
- Connection: DOE (Double Open End)

Average lifespan: 6-12 months

Maintenance: none (disposable product)

Warnings: do not expose the filter to direct sunlight

Residential use: Reduction of chlorine and unwanted substances in drinking water, improving taste and odor.

Industrial use: Chlorine reduction in food, chemical, petrochemical, photographic, electroplating, and pharmaceutical processes.

Protection of reverse osmosis membranes and downstream filtration systems.

| Item-Nr:   | Description:                                          |
|------------|-------------------------------------------------------|
| CBB09PP010 | Carbon block cartridge 9¾" 10 µ for J BIG housings    |
| CBB20PP010 | Carbon block cartridge 20" 10 µ for BIG SIZE housings |

## GAC GRANULAR ACTIVE CARBON FILTER CARTRIDGES

### GAC Carbone attivo minerale granulare-DOE

### GAC granular activated carbon cartridges with double open end (DOE)



Granular activated carbon (GAC) filter cartridges designed for the effective removal of chlorine, odors, unpleasant tastes, and volatile organic compounds (VOCs) present in water. Ideal for residential and commercial use, they provide a reliable solution for improving drinking water quality.

**Key features:**

- Filter media: high-quality granular activated carbon (GAC)
- Standard sizes: 9 3/4" and 10"
- Effective removal of: free chlorine, odors, unpleasant tastes, pesticides, herbicides, and certain organic solvents
- Operating temperature: 4 - 52°C

Average lifespan: approximately 3 - 6 months, depending on water quality and consumption  
Maintenance: none (disposable product)

**Applications:**

Domestic drinking water treatment  
Pre-filtration for reverse osmosis systems  
Filtration systems for refrigerators, water dispensers, and small commercial systems  
Use as a second stage in multi-stage filtration systems

**Advantages:**

Improves water taste and odor  
Easy installation and replacement thanks to universal format  
Broad compatibility with most standard housings

| Item-Nr:   | Description:                                |
|------------|---------------------------------------------|
| GAC09CCON0 | GAC 9 3/4" activated carbons filt.cartridge |
| GAC10CCON0 | GAC 10" activated carbons filt.cartridge    |

## GAC Carbone attivo granulare-DOE

## Transparent GAC granular activated carbon cartridges with double open end (DOE)



Transparent filter cartridges filled with granular activated carbon (GAC) designed to ensure effective removal of chlorine, odors, unpleasant tastes, and volatile organic compounds (VOCs) present in water. The transparent structure allows visual inspection of the filter media, making it easier to check the condition of the activated carbon during use.

Ideal for residential and commercial use, they provide a reliable solution for improving drinking water quality.

### Key features:

- Filter media: high-quality granular activated carbon (GAC)
- Effective removal of: free chlorine, odors, unpleasant tastes, pesticides, herbicides, and certain organic solvents
- Operating temperature: 4 - 52°C

Average lifespan: approximately 3 - 6 months, depending on water quality and consumption

Maintenance: refillable

### Applications:

- Domestic drinking water treatment
- Pre-filtration for reverse osmosis systems
- Filtration systems for refrigerators, water dispensers, and small commercial systems
- Use as a second stage in multi-stage filtration systems

### Advantages:

- Improves water taste and odor
- Easy installation and replacement thanks to universal format
- Broad compatibility with most standard housings

Sales condition: available only when purchased together with quantities corresponding to 25 kg bags of activated carbon.

| Item-Nr:   | Description:                                                           |
|------------|------------------------------------------------------------------------|
| JA10PC0200 | GAC 10" transparent cartridge with granular activated mineral carbon   |
| JA20PC0200 | GAC 20" transparent cartridge with granular activated mineral carbon   |
| JE10PC0200 | GAC 10" transparent cartridge with granular vegetable activated carbon |
| JE20PC0200 | GAC 20" transparent cartridge with granular vegetable activated carbon |

## CARTRIDGES WITH FILTER MEDIA

### MEDIA-PF-DOE

### Polyphosphate crystal cartridges with double open end (DOE)



Transparent filter cartridges filled with polyphosphate crystals with double open end (DOE), designed for water treatment in residential, technical, and industrial systems.

These cartridges are particularly effective in preventing limescale formation and protecting pipes, boilers, heating elements, and household appliances against scaling and corrosion.

The polyphosphate is gradually released into the water flow, binding calcium and magnesium ions and preventing their precipitation as limescale deposits.

The sequestering action also helps reduce corrosion in metal circuits, extending the service life of the systems.

The DOE (Double Open End) configuration ensures compatibility with most standard 10" and 20" housings, while the transparent structure allows visual inspection of the filter media and monitoring of polyphosphate consumption levels.

#### Main features:

- Anti-scale and anti-corrosion action
- Gradual and uniform release of polyphosphate

Transparent structure for visual inspection of the filter media  
Easy installation and replacement

#### Applications:

- Heating systems
- Boilers and water heaters
- Industrial washing systems
- Household appliances such as washing machines and dishwashers
- Protection of pipes and hydraulic circuits

Sales condition: available only when purchased together with quantities corresponding to 25 kg packages of polyphosphate crystals.

| Item-Nr: | Description:                                          |
|----------|-------------------------------------------------------|
| CV09PF   | 10" transparent cartridge with polyphosphate crystals |
| CV20PF   | 20" transparent cartridge with polyphosphate crystals |



## MEDIA-CT-DOE

## Cationic resin softening cartridges with double open end (DOE)



Transparent refillable filter cartridges filled with strong cationic resin for water softening with double open end (DOE), designed for water treatment in residential, technical, and industrial systems.

These cartridges are particularly effective in reducing water hardness and protecting pipes, boilers, heating elements, and household appliances from scaling and corrosion.

The strong cationic resin works through ion exchange, replacing calcium and magnesium ions responsible for water hardness with sodium ions, thus contributing to water softening and preventing limescale formation.

The DOE (Double Open End) configuration ensures compatibility with most standard 10" and 20" housings, while the transparent and refillable structure allows visual inspection of the filter media and easy resin regeneration or replacement.

### Main features:

- Ion exchange softening action
- Reduction of water hardness

Transparent and refillable structure for media control and maintenance  
Easy installation and replacement

### Applications:

- Heating systems
- Boilers and water heaters
- Industrial washing systems
- Household appliances such as washing machines and dishwashers
- Protection of pipes and hydraulic circuits

Maintenance: refillable

Sales condition: available only when purchased together with quantities corresponding to 25 L packages of strong cationic softening resin

| Item-Nr:  | Description:                                                             |
|-----------|--------------------------------------------------------------------------|
| JV09CT001 | 10" transparent cartridge with strong cationic resin for water softening |
| JV20CT001 | 20" transparent cartridge with strong cationic resin for water softening |

## MEDIA-MB-DOE

## Mixed bed resin cartridges for demineralization with double open end (DOE)



Transparent refillable filter cartridges filled with MB11 mixed bed resin with double open end (DOE), designed for water treatment in residential, technical, and industrial systems.

These cartridges are particularly effective for water demineralization and for protecting pipes, boilers, heating elements, and household appliances from scaling and corrosion.

The MB11 mixed bed resin combines cation and anion exchange resins in a single filter media, removing dissolved salts and producing high-purity demineralized water.

The DOE (Double Open End) configuration ensures compatibility with most standard 10" and 20" housings, while the transparent and refillable structure allows visual inspection of the filter media and easy resin regeneration or replacement.

### Main features:

- Demineralization via mixed bed ion exchange resin
- High-purity water production

Transparent and refillable structure for media control and maintenance  
Easy installation and replacement

### Applications:

- Heating systems
- Boilers and water heaters
- Industrial washing systems
- Household appliances such as washing machines and dishwashers
- Protection of pipes and hydraulic circuits

Maintenance: refillable

Sales condition: available only when purchased together with quantities corresponding to 25 L packages of MB11 mixed bed resin

| Item-Nr: | Description:                                                             |
|----------|--------------------------------------------------------------------------|
| JE09MBST | 10" transparent cartridge with MB11 mixed bed resin for demineralization |
| JE20MBST | 20" transparent cartridge with MB11 mixed bed resin for demineralization |

## MEDIA-NI-DOE

### Cartridge with selective resin for nitrate removal with double open end (DOE)



Transparent refillable filter cartridges filled with TA D-465 selective macroporous strong anion resin for nitrate removal with double open end (DOE), designed for water treatment in residential, technical, and industrial systems.

These cartridges are particularly effective in reducing nitrate content in water and protecting pipes, boilers, heating elements, and appliances from contamination and scaling related to water quality.

The TA D-465 selective macroporous strong anion resin works through selective ion exchange, preferentially removing nitrate ions from water and improving drinking and process water quality.

The DOE (Double Open End) configuration ensures compatibility with most standard 10" and 20" housings, while the transparent and refillable structure allows visual inspection of the filter media and easy resin regeneration or replacement.

#### Main features:

- Selective nitrate removal using macroporous strong anion resin
- Reduction of water contaminants

Transparent and refillable structure for media control and maintenance

#### Applications:

- Heating systems
- Boilers and water heaters
- Industrial washing systems
- Household appliances such as washing machines and dishwashers
- Drinking and process water treatment

Maintenance: refillable

Sales condition: available only when purchased together with quantities corresponding to 25 L packages of TA D-465 selective macroporous strong anion resin

| Item-Nr:  | Description:                                                                                         |
|-----------|------------------------------------------------------------------------------------------------------|
| JV09NI000 | 10" transparent cartridge with TA D-465 selective macroporous strong anion resin for nitrate removal |
| JV20NI000 | 20" transparent cartridge with TA D-465 selective macroporous strong anion resin for nitrate removal |

## MEDIA-AN-DOE

## Cartridges with TA D-301 weak anion resin with double open end (DOE)



Transparent refillable filter cartridges filled with TA D-301 weak anion resin with double open end (DOE), designed for water treatment in residential, technical, and industrial systems.

These cartridges are particularly effective in removing selected anions from water and protecting pipes, boilers, heating elements, and appliances from contamination and water quality issues.

The TA D-301 weak anion resin works through selective ion exchange, primarily removing weak acids and associated anions, contributing to improved process water quality and pre-treatment in filtration systems.

The DOE (Double Open End) configuration ensures compatibility with most standard 10" and 20" housings, while the transparent and refillable structure allows visual inspection of the filter media and easy resin regeneration or replacement.

### Main features:

- Selective removal using weak anion resin
- Reduction of specific anions and contaminants

Transparent and refillable structure for media control and maintenance

### Applications:

- Heating systems
- Boilers and water heaters
- Industrial washing systems
- Household appliances such as washing machines and dishwashers
- Drinking and industrial water treatment

Maintenance: refillable

Sales condition: available only when purchased together with quantities corresponding to 25 L packages of TA D-301 weak anion resin

| Item-Nr:  | Description:                                             |
|-----------|----------------------------------------------------------|
| JE09AN001 | 10" transparent cartridge with TA D-301 weak anion resin |
| JE20AN001 | 20" transparent cartridge with TA D-301 weak anion resin |

## STAINLESS STEEL FILTERING CARTRIDGES

### SS SC Series A304

Smooth washable mesh cartridges in AISI 304 stainless steel with NBR gaskets and double open end (DOE)



Smooth washable mesh filter cartridges made of AISI 304 stainless steel with NBR gaskets and double open end (DOE) configuration, designed for sediment and particle filtration in residential, industrial, and process systems. The stainless steel mesh structure ensures high mechanical strength, excellent chemical compatibility, and long operating life even under demanding working conditions.

The washable and reusable filtering surface allows easy maintenance and reduced replacement costs compared to traditional disposable cartridges.

The DOE (Double Open End) configuration ensures compatibility with most standard housings, while the NBR gaskets provide reliable hydraulic sealing.

#### Main features:

- Washable and reusable filter mesh
- High-strength AISI 304 stainless steel structure
- High mechanical and chemical resistance
- Low pressure drop and constant flow rate
- Compatible with standard DOE housings
- NBR gaskets for reliable sealing

#### Applications:

- Sediment and solid particle filtration
- Pre-filtration in industrial systems
- Residential and industrial water treatment
- Protection of pumps, valves, and equipment
- Food, chemical, and technical industries

Maintenance: washable and reusable

| Item-Nr:     | Description:                                                                        |
|--------------|-------------------------------------------------------------------------------------|
| RLBX10SS025W | 10" washable mesh filter cartridge in AISI 304 stainless steel (smooth) 25 µm (DOE) |
| RLBX10SS040W | 10" washable mesh filter cartridge in AISI 304 stainless steel (smooth) 40 µm (DOE) |
| RLBX10SS060W | 10" washable smooth stainless steel AISI 304 mesh filter cartridge 60 µm (DOE)      |

## SS AC Series A304

## Smooth washable mesh cartridges in AISI 304 stainless steel double open end (DOE)



Smooth washable mesh filter cartridges made of AISI 304 stainless steel with NBR gaskets and double open end (DOE) configuration, designed for sediment and particle filtration in residential, industrial, and process systems. The stainless steel mesh structure ensures high mechanical strength, excellent chemical compatibility, and long operating life even under demanding working conditions.

The washable and reusable filtering surface allows easy maintenance and reduced replacement costs compared to traditional disposable cartridges.

The DOE (Double Open End) configuration ensures compatibility with most standard housings, while the NBR gaskets provide reliable hydraulic sealing.

### Main features:

- Washable and reusable filter mesh
- High-strength AISI 304 stainless steel structure
- High mechanical and chemical resistance
- Low pressure drop and constant flow rate
- Compatible with standard DOE housings
- NBR gaskets for reliable sealing

### Applications:

- Sediment and solid particle filtration
- Pre-filtration in industrial systems
- Residential and industrial water treatment
- Protection of pumps, valves, and equipment
- Food, chemical, and technical industries

Maintenance: washable and reusable

Maximum temperature: 80°C

| Item-Nr:     | Description:                                                                        |
|--------------|-------------------------------------------------------------------------------------|
| RLBX05SSL080 | 5" washable mesh filter cartridge in AISI 304 stainless steel (smooth) 80 µm (DOE)  |
| RLBX07SSL080 | 7" washable mesh filter cartridge in AISI 304 stainless steel (smooth) 80 µm (DOE)  |
| RLBX09SSL080 | 9¾" washable mesh filter cartridge in AISI 304 stainless steel (smooth) 80 µm (DOE) |
| RLBX20SSL080 | 20" washable mesh filter cartridge in AISI 304 stainless steel (smooth) 80 µm (DOE) |

## SS Steel SC BIG Series A304

**BIG washable mesh cartridges in AISI 304 stainless steel (smooth) with NBR gaskets and double open end (DOE) for J-BIG and WB BIG housings**



BIG smooth washable mesh filter cartridges made of AISI 304 stainless steel with NBR gaskets and double open end (DOE) configuration for J-BIG and WB BIG housings, designed for sediment and particle filtration in residential, industrial, and process systems.

The stainless steel mesh structure ensures high mechanical strength, excellent chemical compatibility, and long operating life even under demanding working conditions.

The washable and reusable filtering surface allows easy maintenance and reduced replacement costs compared to traditional disposable cartridges.

The BIG configuration provides a larger filtering surface and higher sediment holding capacity, ensuring high flow rates and reduced maintenance frequency.

The DOE (Double Open End) configuration ensures compatibility with J-BIG and WB BIG housings, while the NBR gaskets provide reliable hydraulic sealing.

### Main features:

- Washable and reusable filter mesh
- High-strength AISI 304 stainless steel structure
- High mechanical and chemical resistance
- Larger filtering surface for high flow rates
- Low pressure drop and constant flow rate
- Compatible with J-BIG and WB BIG housings
- NBR gaskets for reliable sealing

### Applications:

- Sediment and solid particle filtration
- Pre-filtration in industrial systems
- Residential and industrial water treatment
- Protection of pumps, valves, and equipment
- Food, chemical, and technical industries

Maintenance: washable and reusable

| Item-Nr:          | Description:                                                                            |
|-------------------|-----------------------------------------------------------------------------------------|
| RLSCBLX10G060NBRW | 10" BIG washable mesh filter cartridge in AISI 304 stainless steel (smooth) 60 µm (DOE) |

## PLEATED CARTRIDGES

**PL**
**Pleated cellulose filter cartridges with double open end (DOE)**


Pleated cellulose filter cartridges designed for the removal of sediments, suspended particles, and solid impurities in water. The pleated structure ensures a high filtration surface area, excellent dirt-holding capacity, and low pressure drop, providing a constant flow and reliable performance. Available in standard sizes 9 3/4" and 20", they are compatible with most water filtration housings for residential, commercial, and industrial applications. The cellulose filter media is suitable for standard mechanical filtration applications, offering a good balance between filtration efficiency and cost.

**Main features:**  
 Pleated cellulose filter media (paper type)  
 High filtration surface area  
 Low pressure drop and constant flow  
 Good particle retention capacity  
 Compatible with standard housings

**Applications:**  
 Drinking water filtration  
 Reverse osmosis pre-filtration systems  
 Residential and industrial water treatment  
 Protection of pumps, valves, and equipment  
 General process water filtration

**Maintenance:**disposable

| Item-Nr:   | Description:                                    |
|------------|-------------------------------------------------|
| PL09CL0050 | 9 3/4" pleated cellulose filter cartridge 5 µm  |
| PL09CL020  | 9 3/4" pleated cellulose filter cartridge 20 µm |
| PL20CL005  | 20" pleated cellulose filter cartridge 5 µm     |
| PL20CL020  | 20" pleated cellulose filter cartridge 20 µm    |



## MICROFILTRATION CARTRIDGES

### MICRO-PURE CB-SI

### 0.1 µm block sintered activated carbon microfiltration cartridges (DOE)



Block sintered activated carbon microfiltration cartridges designed for the reduction of chlorine, odours, unpleasant tastes, volatile organic compounds (VOCs), and fine particles present in water.

The sintered carbon block structure ensures high adsorption capacity, excellent filtration efficiency, and microfiltration down to 0.1 µm, improving drinking and process water quality.

The compact sintered activated carbon structure provides a large contact surface and uniform filtration, effectively reducing chemical and physical impurities.

The DOE (Double Open End) configuration ensures compatibility with standard housings and allows easy installation and replacement.

Manufactured through a specific process combining powdered activated carbon and polymer binders in moulds at around 300 °C, this technology produces a highly stable filter block with consistent performance.

The result is a cartridge with properties equivalent to powdered carbon but with the convenience of a solid block format.

Unlike traditional compressed carbon cartridges, this type ensures filtration efficiency above 99.9%, longer contact time due to a high number of open micropores, extremely low carbon dust release, and uniform filtration across the entire surface.

#### Main features:

- High-density sintered activated carbon block
- Advanced manufacturing process with powdered carbon and polymer binders
- Filtration down to 0.1 µm
- Filtration efficiency > 99.9%
- High adsorption of chlorine, odours, and VOCs
- Reduction of fine particles and contaminants
- Compact high-efficiency structure
- High number of micropores for longer contact time
- Low carbon dust release
- Uniform filtration across the surface
- Compatible with standard DOE housings
- Low pressure drop and controlled flow

#### Applications:

- Drinking water filtration
- Improvement of taste and odour
- Pre- and post-RO filtration systems
- Residential, commercial, and industrial water treatment
- Equipment and system protection

Maintenance: disposable

| Item-Nr:    | Description:                                               |
|-------------|------------------------------------------------------------|
| CS10SCXX10B | Microfiltration sintered carbon block cartridge 10" 0,1 µm |

## MICRO-PURE PL

## Pleated antibacterial microfiltration cartridges DOE



Pleated multilayer microfiltration cartridges designed for the removal of sediments, fine particles, suspended impurities, and contaminants present in water.

The multilayer pleated structure ensures a high filtration surface area, excellent dirt-holding capacity, low pressure drop, and a constant flow, providing high filtration performance and long service life.

Available in standard sizes 9 3/4", 10", and 20", they are compatible with most standard water filtration housings for residential, commercial, technical, and industrial applications.

The DOE (Double Open End) configuration ensures easy installation and replacement. The multilayer filter media enables high-efficiency progressive filtration, improving particle retention and helping to protect downstream equipment and systems.

### Main features:

- High-efficiency multilayer pleated filter media
- High filtration surface area
- Excellent fine particle retention
- Low pressure drop and constant flow
- Long service life
- Available in various micron ratings
- Compatible with standard DOE housings

### Applications:

- Drinking water filtration
- Reverse osmosis pre-filtration systems
- Residential and industrial microfiltration
- Protection of pumps, valves, and equipment
- Process and final polishing filtration

Maintenance: disposable

| Item-Nr:     | Description:                                                          |
|--------------|-----------------------------------------------------------------------|
| MF09MLXX4DOE | Micro Pure PL 9 3/4" multilayer microfiltration cartridge 0.45 µm DOE |
| MF10MLXX2DOE | Micro Pure PL 10" multilayer microfiltration cartridge 0.2 µm DOE     |
| MF20MLXX2DOE | Micro Pure PL 20" multilayer microfiltration cartridge 0.2 µm DOE     |
| MF20MLXX4DOE | Micro Pure PL 20" multilayer microfiltration cartridge 0.45 µm DOE    |

## MICRO-PURE CERAMIC

## Antibacterial ceramic cartridges



High-efficiency ceramic filter cartridges designed to remove sediments, bacteria, and impurities from water. Available in various sizes and diameters, including models with top connection, they ensure durability, reliability, and consistent filtration performance.

Main function: Mechanical removal of impurities, dust, rust, suspended particles, sediments, contaminants, and microorganisms such as Cryptosporidium and harmful bacteria.

Applications: Water purification systems, bottled water, water supply industries, and domestic pre-filtration.

| Item-Nr: | Description:                                                                             |
|----------|------------------------------------------------------------------------------------------|
| CE05CE   | Ceramic microfiltration cartridge half sphere Ø112 mm with 1/4" male threaded connection |

|               |                                                                                      |
|---------------|--------------------------------------------------------------------------------------|
| CE09CE005OBL  | 9¾" Ceramic microfiltration cartridge Ø 67 mm DOE                                    |
| CE09CE049O    | 9¾" Ceramic microfiltration cartridge Ø 49 (Slim) DOE                                |
| CE09X5049S014 | 9¾" Ceramic microfiltration cartridge Ø 49 mm with 1/4" top connection black plastic |

## FILTER CARTRIDGES FOR BRASS HEAD FILTER HOUSINGS

### RL-PE-BX nylon mesh

**Washable polyester mesh filter cartridges with quick-fit connection and double O-ring Ø 45 mm**



Washable polyester mesh filter cartridges with quick-fit connection and double O-ring Ø 45 mm for coarse sediment removal, designed for easy and fast cleaning, low pressure drop, high durability, and resistance.

Compatible ONLY with CT housings with brass head in 10" and 20" versions for 1.25", 1.5", and 2" connections.

#### Main features:

- Quick-fit connection for easy installation and replacement
- Coarse sediment removal
- Low pressure drop and good flow rate
- High durability and mechanical resistance
- Easy cleaning and maintenance

#### Applications:

- Residential and industrial water filtration
- Pre-filtration systems
- Protection of pumps, valves, and equipment
- Process water treatment

| Item-Nr:    | Description:                                                                                         |
|-------------|------------------------------------------------------------------------------------------------------|
| RLBX10PE050 | RLBX 10" washable mesh filter cartridge 50 µm in PE, quick-fit connection with double O-ring Ø 45 mm |
| RLBX20PE050 | RLBX 20" washable mesh filter cartridge 50 µm in PE, quick-fit connection with double O-ring Ø 45 mm |

## RL-SSP-BX inox

**Washable pleated filter cartridges made of AISI 304 stainless steel mesh with quick-fit connection and double O-ring 45 mm**



Washable pleated filter cartridges made of AISI 304 stainless steel mesh with quick-fit connection and double O-ring Ø 45 mm for coarse sediment removal, designed for easy and fast cleaning, low pressure drop, high durability, and resistance.

Compatible ONLY with CT housings with brass head in 10" and 20" versions for connections 1.25", 1.5", and 2".

### Main features:

- Quick-fit connection for easy installation and replacement
- Coarse sediment removal
- Low pressure drop and good flow rate
- High durability and mechanical resistance
- Easy cleaning and maintenance

### Applications:

- Residential and industrial water filtration
- Pre-filtration systems
- Protection of pumps, valves, and equipment
- Process water treatment

| Item-Nr:     | Description:                                                                                               |
|--------------|------------------------------------------------------------------------------------------------------------|
| RLBX10SSP050 | 10" filter cartridge 50 µm washable pleated stainless steel AISI 304 mesh RLSSP, quick-fit connection with |
| RLBX20SSP050 | 20" filter cartridge 50 µm washable pleated stainless steel AISI 304 mesh RLSSP, quick-fit connection with |

## RL-SSL-BX inox

**Washable smooth mesh filter cartridges made of AISI 304 stainless steel with quick-fit connection and double O-ring 45 mm**



Washable smooth mesh filter cartridges made of AISI 304 stainless steel with quick-fit connection and double O-ring Ø 45 mm for coarse sediment removal, designed for easy and fast cleaning, low pressure drop, high durability, and resistance.

Compatible ONLY with CT housings with brass head in 10" and 20" versions for connections 1.25", 1.5", and 2".

### Main features:

- Quick-fit connection for easy installation and replacement
- Coarse sediment removal
- Low pressure drop and good flow rate
- High durability and mechanical resistance
- Easy cleaning and maintenance

### Applications:

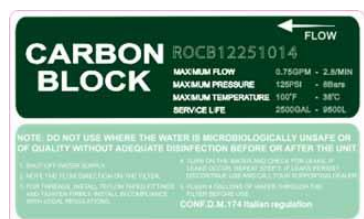
- Residential and industrial water filtration
- Pre-filtration systems
- Protection of pumps, valves, and equipment
- Process water treatment

| Item-Nr:     | Description:                                                                                              |
|--------------|-----------------------------------------------------------------------------------------------------------|
| RLBX10SSL070 | 10" filter cartridge 50 µm washable smooth stainless steel AISI 304 mesh RLSSL, quick-fit connection with |
| RLBX20SSL070 | 10" filter cartridge 50 µm washable smooth stainless steel AISI 304 mesh RLSSL, quick-fit connection with |

## IN-LINE FILTERS

### FILTRI IN LINEA CB

### CB CTO carbon block in-line filters



#### FEATURES:

Removal of chlorine, unpleasant odors, unwanted tastes and partial removal of heavy metals.

#### APPLICATIONS:

Pre-filtration and post-filtration for chlorine removal, bad odors, bad tastes and partial removal of heavy metals in domestic water treatment systems.

D.M. 174 Certification

Recommended maximum flow rate: 1.9 l/min

Maximum temperature: 38 °C

Maximum pressure: 125 psi (8 bar)

Maintenance type: disposable

#### Cyclic capacity:

Mineral 10" 5,700 liters

Mineral 12" 6,000 liters

Coconut 12" 9,500 liters

| Item-Nr:          | Description:                                                                       |
|-------------------|------------------------------------------------------------------------------------|
| ROCB10201014      | In-line carbon block filter 10" x 2" inlet/outlet 1/4" NPT F                       |
| ROCB122501014     | In-line carbon block filter 12" x 2,5" inlet/outlet 1/4" NPT F                     |
| ROCB122501014FF04 | In-line filter with coconut shell block carbon 12" x Ø 2.5" 1/4" NPT F connections |
| ROCB122501038     | In-line carbon block filter 12" x 2,5" inlet/outlet 3/8" NPT F                     |

## GAC in-line filters with granular activated coconut carbon



## D.M. 174 Certification

Silver 12" 6.000 liters

## FILTRI IN LINEA PP per sedimenti

## In-line filters activated carbon



## D M 174 Certification

Mineral 12" 9,500 liters

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## OR-Filters

## Replacement filters for RO "OR" Series



| Item-Nr:    | Description:                                                      |
|-------------|-------------------------------------------------------------------|
| OR2512CB005 | Filter cartridge carbon block 12" Mod OR SLIM top mount w/O-RING  |
| OR2512PP005 | Filter cartridge PP melt-blown 12" Mod OR SLIM top mount w/O-RING |

## ALKALINE FILTERS

### CS SUPER GOLD alkaline,ORP,mineral

### CS Super Gold -Alkaline in line pH increase filter, ORP reduction, mineralizing



PURESTAR CS SUPER GOLD Inline Alkaline Filter with 1/4" Threaded Connection

**FEATURES:**Antioxidant alkaline filter designed to increase water pH, reduce free radicals and provide a negative ORP value. Typically installed in reverse osmosis systems, it improves overall filtration quality and contributes to water remineralization.

**BENEFITS:**

Increases pH to an alkaline range of 8.5 ~ 9.5  
Reduces ORP value to -150 mV ~ -300 mV  
Improves water odor and taste  
Restores essential minerals such as calcium, magnesium, sodium and potassium

**TECHNICAL DATA:**

Outer housing material: food-grade polypropylene  
Internal media: ceramic balls and coconut shell carbon  
Maximum flow: 10" 2 l/min - 12" 4 l/min  
Maximum temperature: 45 °C  
Maximum pressure: 100 psi (7 bar)  
Maintenance type: disposable  
Cyclic capacity: 10" 4,000 liters - 12" 6,000 liters

D.M. 174 Certification

| Item-Nr:       | Description:                                                                                                    |
|----------------|-----------------------------------------------------------------------------------------------------------------|
| ROSMF1020014FF | CS Super Gold Inline Alkaline Filter, pH Increase, ORP Reduction, Mineralizing, 10"x2", 1/4" FF + Tube Fittings |
| ROSMF1125014LL | CS Super Gold Inline Alkaline Filter, pH Increase, ORP Reduction, Mineralizing, 12"x2.5", 1/4" Stem Connection  |
| ROSMF11VALLC   | CS Super Gold Valve Kit for Inline Alkaline Filter (Intermediate Connector + T-Fitting)                         |

## IN-LINE UF-ULTRAFILTRATION MEMBRANES

### WCUF Membrane UF Ultrafiltrazione IN LINEA

### In-line UF-ultrafiltration membranes



PURESTAR UF 12"x2.5" Hollow Fiber Ultrafiltration Inline Filter

#### FEATURES:

The hollow fiber ultrafiltration membrane removes suspended solids, bacteria, turbidity and unwanted harmful elements. Activated carbon helps remove chlorine, unpleasant odors, suspended particles, sand and unwanted tastes.

#### APPLICATIONS:

Typically used for domestic and commercial drinking water treatment, improving overall water quality.

D.M. 174 Certification

#### TECHNICAL DATA:

Outer housing: food-grade polypropylene  
Filter media: PSF hollow fiber membranes  
Hollow fiber dimensions: Ø450 ~ 500 µm, thickness 40 ~ 50 µm  
Longitudinal tensile strength: > 120 MPa  
Filtration rating: average pore diameter 0.01 ~ 0.1 µm  
Inlet/outlet connection: 1/4" NPT stem  
Flow rate: 120 l/h  
Maximum temperature: 4 - 40 °C  
Maximum pressure: 70 psi (5 bar)  
Burst pressure: 300 psi (20 bar)  
pH range: 0 - 14  
Recommended pressure: ≤0.25 MPa  
Breaking resistance: > 1.0 Mpa  
Product dimensions: Ø60 × L 320 mm  
Cyclic capacity: 12 months or 6,000 liters  
Maintenance type: disposable

**MAINTENANCE:** Replace at least every 6,000 liters and within 12 months after installation, depending on water quality.

| Item-Nr:    | Description:                                                                                     |
|-------------|--------------------------------------------------------------------------------------------------|
| WCUF1225QF  | IN-LINE UF Ultrafiltration Membrane 12"x2.5", Blue Label, 1/4" Stem Connection                   |
| WCUF1225QS4 | IN-LINE UF ultrafiltration membrane 12" x 2.5" 1/4" stem connection with double stem on one side |

## CINTROPUR FILTERS

### CINTROPUR-DOM

### CINTROPUR NW250/320 – Domestic filters



CINTROPUR domestic filters represent an effective, safe and technologically advanced solution for residential water filtration. Designed and manufactured in Belgium, Cintropur filters are synonymous with quality, durability and high performance, ideal for protecting plumbing systems, household appliances and sanitary devices from solid impurities present in water.

The Cintropur domestic range uses an exclusive centrifugal filtration system, which separates the coarsest particles before the water passes through the filter sleeve, ensuring higher efficiency and reduced maintenance frequency.

The filters are compatible with interchangeable filter sleeves in different micron ratings (from 1 to 300 microns), allowing precise customization according to water quality and specific application.

Made from non-toxic, corrosion-resistant materials (reinforced synthetic polymer), Cintropur filters are suitable for drinking water, rainwater, well water or mains water, and can be used both for general protection of domestic systems and as pre-filtration in more complex treatment systems (softeners, UV systems, reverse osmosis, etc.).

| Item-Nr:  | Description:                                              |
|-----------|-----------------------------------------------------------|
| FWCCNW250 | Cintropur NW250 Domestic filter 1" flow rate 5,5 m3/h     |
| FWCCNW320 | Cintropur NW320 Domestic filter 1 1/4" flow rate 6,5 m3/h |

### CINTROPUR-DOM AC

### CINTROPUR NW250/320 – Domestic filters – Spare parts

| Item-Nr:     | Description:                                                   |
|--------------|----------------------------------------------------------------|
| FWCC100NW250 | Cintropur NW250 filter sleeves 100 micron (set of 5 pcs)       |
| FWCC100NW320 | Cintropur NW320 filter sleeves 100 micron (set of 5 pcs)       |
| FWCC150NW250 | Cintropur NW250 filter sleeves 150 micron (set of 5 pcs)       |
| FWCC150NW320 | Cintropur NW320 filter sleeves 150 micron (set of 5 pcs)       |
| FWVC001NW250 | Cintropur NW250 filter sleeves 1 micron (set of 5 pcs)         |
| FWVC001NW320 | Cintropur NW320 filter sleeves 1 micron (set of 5 pcs)         |
| FWVC005NW250 | Cintropur NW250 filter sleeves 5 micron (set of 5 pcs)         |
| FWVC005NW320 | Cintropur NW320 filter sleeves 5 micron (set of 5 pcs)         |
| FWVC010NW250 | Cintropur NW250 filter sleeves 10 micron (set of 5 pcs)        |
| FWVC010NW320 | Cintropur NW320 filter sleeves 10 micron (set of 5 pcs)        |
| FWVC025NW250 | Cintropur NW250 filter sleeves 25 micron (set of 5 pcs)        |
| FWVC025NW320 | Cintropur NW320 filter sleeves 25 micron (set of 5 pcs)        |
| FWVC050NW250 | Cintropur NW250 filter sleeves 50 micron (set of 5 pcs)        |
| FWVC050NW320 | Cintropur NW320 filter sleeves 50 micron (set of 5 pcs)        |
| FWZCBNW250   | Cintropur drain cock 1/4" NW18/25/32                           |
| FWZCVNW500   | Cintropur NW18-800 drain plug with O-ring                      |
| XXFWCC-DOM   | CINTROPUR - Domestic filters - Spare parts - Prices on request |

## CINTROPUR-SI

## CINTROPUR NW280/340/400 - Semi-industrial filters



CINTROPUR semi-industrial filters represent an effective, safe and technologically advanced solution for water filtration in residential applications. Designed and manufactured in Belgium, Cintropur filters are synonymous with quality, durability and high performance, ideal for protecting plumbing systems, household appliances and sanitary devices from solid impurities present in water.

The Cintropur range uses an exclusive centrifugal filtration system, which separates the coarsest particles before the water passes through the filter sleeve, ensuring higher efficiency and reduced maintenance frequency.

The filters are compatible with interchangeable filter sleeves in different micron ratings (from 1 to 300 microns), allowing precise customization according to water quality and specific application.

Made from non-toxic, corrosion-resistant materials (reinforced synthetic polymer), Cintropur filters are suitable for drinking water, rainwater, well water or mains water, and can be used both for general protection of domestic systems and as pre-filtration in more complex treatment systems (softeners, UV systems, reverse osmosis, etc.).

| Item-Nr:  | Description:                                                    |
|-----------|-----------------------------------------------------------------|
| FWCCNW280 | Cintropur NW280 Semi-industrial filter 1" flow rate 7 m3/h      |
| FWCCNW340 | Cintropur NW340 Semi-industrial filter 1¼" flow rate 10 m3/h    |
| FWCCNW400 | Cintropur NW400 Semi-industrial filter 1 ½" flow rate 12 m3 / h |

## CINTROPUR-SI AC

## CINTROPUR NW280/340/400 – Semi-industrial filters – Spare parts

| Item-Nr:     | Description:                                                                     |
|--------------|----------------------------------------------------------------------------------|
| FWVC001NW280 | Cintropur NW280 filter sleeves 1 micron (set of 5 pcs)                           |
| FWVC001NW400 | Cintropur NW400 filter sleeves 1 micron (set of 5 pcs)                           |
| FWVC005NW280 | Cintropur NW280 filter sleeves 5 micron (set of 5 pcs)                           |
| FWVC005NW400 | Cintropur NW400 filter sleeves 5 micron (set of 5 pcs)                           |
| FWVC010NW280 | Cintropur NW280 filter sleeves 10 micron (set of 5 pcs)                          |
| FWVC010NW400 | Cintropur NW400 filter sleeves 10 micron (set of 5 pcs)                          |
| FWVC025NW280 | Cintropur NW280 filter sleeves 25 micron (set of 5 pcs)                          |
| FWVC025NW340 | Cintropur NW340 filter sleeves 25 micron (set of 5 pcs)                          |
| FWVC025NW400 | Cintropur NW400 filter sleeves 25 micron (set of 5 pcs)                          |
| FWVC050NW280 | Cintropur NW280 filter sleeves 50 micron (set of 5 pcs)                          |
| FWVC050NW340 | Cintropur NW340 filter sleeves 50 micron (set of 5 pcs)                          |
| FWVC050NW400 | Cintropur NW400 filter sleeves 50 micron (set of 5 pcs)                          |
| FWVC100NW280 | Cintropur NW280 filter sleeves 100 micron (set of 5 pcs)                         |
| FWVC150NW400 | Cintropur NW400 filter sleeves 150 micron (set of 5 pcs)                         |
| FWVC300NW400 | Cintropur NW400 filter sleeves 300 micron (set of 5 pcs)                         |
| XXCIN-IND    | CINTROPUR - Semi-industrial & industrial filters - Spare Parts prices on request |

## CINTROPUR-I

## CINTROPUR NW 500/650/800 - Industrial filters



CINTROPUR industrial filters represent an effective, safe and technologically advanced solution for water filtration in residential applications.

Designed and manufactured in Belgium, Cintropur filters are synonymous with quality, durability and high performance, ideal for protecting plumbing systems, household appliances and sanitary devices from solid impurities present in water.

The Cintropur range uses an exclusive centrifugal filtration system, which separates the coarsest particles before the water passes through the filter sleeve, ensuring higher efficiency and reduced maintenance frequency.

The filters are compatible with interchangeable filter sleeves in different micron ratings (from 1 to 300 microns), allowing precise customization according to water quality and specific application. Made from non-toxic, corrosion-resistant materials (reinforced synthetic polymer), Cintropur filters are suitable for drinking water, rainwater, well water or mains water, and can be used both for general protection of domestic systems and as pre-filtration in more complex treatment systems (softeners, UV systems, reverse osmosis, etc.).

| Item-Nr:  | Description:                                               |
|-----------|------------------------------------------------------------|
| FWCCNW500 | Cintropur NW500 industrial filter 2" flow rate 18 m3 / h   |
| FWCCNW650 | Cintropur NW650 industrial filter 2 ½" flow rate 25 m3 / h |
| FWCCNW800 | Cintropur NW800 industrial filter 3" flow rate 32 m3 / h   |

## CINTROPUR-I AC

## CINTROPUR NW500/650/800 – Industrial filters – Spare parts

| Item-Nr:     | Description:                                                     |
|--------------|------------------------------------------------------------------|
| FWCC001NW500 | Cintropur NW500/650/800 filter sleeves 1 micron (set of 5 pcs)   |
| FWCC005NW500 | Cintropur NW500/650/800 filter sleeves 5 micron (set of 5 pcs)   |
| FWCC010NW500 | Cintropur NW500/650/800 filter sleeves 10 micron (set of 5 pcs)  |
| FWCC025NW500 | Cintropur NW500/650/800 filter sleeves 25 micron (set of 5 pcs)  |
| FWCC050NW500 | Cintropur NW500/650/800 filter sleeves 50 micron (set of 5 pcs)  |
| FWCC150NW500 | Cintropur NW500/650/800 filter sleeves 150 micron (set of 5 pcs) |
| FWCC300NW500 | Cintropur NW500/650/800 filter sleeves 300 micron (set of 5 pcs) |

## SEMI-AUTOMATIC MANUAL CLEANING FILTERS

**MOS-TECH - Made in Italy**

**MOS-TECH semi-automatic self-cleaning filter – innovative “NO-DRIP” system**



MOS-T2 domestic filters represent an effective, safe and technologically advanced solution for general water filtration in both residential and industrial applications.

Designed and manufactured in Italy, MOS-T2 filters are synonymous with quality, durability and high performance, ideal for protecting plumbing systems, household appliances and sanitary devices from solid impurities present in water. MOS-T2 uses an exclusive NO-DRIP anti-drip system, which prevents unpleasant water leakage from the drain and avoids system blockages.

The 90-micron filter cartridge is composed of three layers.

The inner layer (perforated support core) provides support for the filter mesh and reinforces the cartridge.

The intermediate layer improves water flow by acting as a diffuser and provides additional support to the dirt-retaining layer.

The outer layer (filter mesh) fits perfectly onto the cylinder surface for greater reliability.

MOS-T2 is manufactured with high-quality materials suitable for drinking water applications.

### Technical data

- Connections: 3/4"F - 1"F - 1 1/4"F
- Flow rate m³/h (DP = 0.2 bar): 3/4"F 5 - 1"F 6 - 1 1/4"F 7
- Pressure MIN/MAX: 1.5 / 10 bar
- Filtration degree: 90 micron
- Water temperature MIN/MAX: 5 / 40 °C
- Drain connection: anti-backflow system in compliance with European Standard UNI EN 1717/2002

D.M. 174 of 06/04/2004, D.M. 25/12

Made in Italy

| Item-Nr:  | Description:                                                                        |
|-----------|-------------------------------------------------------------------------------------|
| MOS20020A | MOS-Tech semi-automatic self-cleaning filter "No-Drip" 3/4"- M 90 µm - max 83 l/m   |
| MOS20025A | MOS-Tech semi-automatic self-cleaning filter "No-Drip" 1"- M 90 µm - max 100 l/m    |
| MOS20032A | MOS-Tech semi-automatic self-cleaning filter "No-Drip" 1 1/4"- M 90 µm -max 116 l/m |

## MOS-S1BV- Made in Italy

## MOS-S1BV Semi-automatic cleaning filter



MOS-S1BV Multifunction semi-automatic cleaning filter with swivel connection. Rinse filter with swivel connection. The device and cartridges are built with high-strength and durable technopolymers, equipped with filter element cleaning with impurity discharge.

### Characteristics

- MAINTENANCE DATE
- POLYMER THREAD
- SWIVEL ATTACHMENT
- DRAIN VALVE

### Technical data

Available sizes: DN 20-DN 25-DN 32  
 IN-OUT connections: 3/4" (2.5 m3/h) 1" (3.5 m3/h) 1 1/4" (4 m3/h)  
 Nominal pressure 10 bar  
 Water temp. MIN/MAX 5 - 30°C  
 Connection fittings material: Polymer  
 Packaging quantity: 8 pieces

D.M. 174 of 06/04/2004, D.M. 25/12  
 Made in Italy

| Item-Nr:     | Description:                                                                 |
|--------------|------------------------------------------------------------------------------|
| MOS1BV20V    | MOS-S1BV Semi-automatic cleaning filter with 3/4" swivel connection (empty)  |
| MOS1BV25V    | MOS-S1BV Semi-automatic cleaning filter with 1" swivel connection (empty)    |
| MOS1BV32V    | MOS-S1BV Semi-automatic cleaning filter with 1,25" swivel connection (empty) |
| XMOS1BBVRNCT | PP cartridge with 100 µm washable nylon mesh for MOS-S1BV filter             |
| XMOS1BBVRXCT | Cartridge with washable stainless steel mesh 100 µm for MOS-S1BV filter      |
| XMOS1BVMXCT  | Cartridge with washable stainless steel mesh 100 µm for MOS-S1BV filter      |



## PLT-D - Made in Italy

## PLT-D series manual self-cleaning filters



| N° | Description                      |
|----|----------------------------------|
| 1  | Header                           |
| 2  | Diverter                         |
| 3  | Connection                       |
| 4  | Header O-ring                    |
| 5  | Jaw                              |
| 6  | Vase + mechanical system         |
| 7  | Filter cartridge                 |
| 8  | Pair of nuts, joints and gaskets |



These filters are normally used for final filtration on domestic drinking water systems.

Their purpose is to remove foreign particles present in the water such as sand, metal flakes, slime, rust, and other suspended solids.

The removal of suspended solids and particles is essential in domestic water treatment because impurities can cause problems such as clogging of faucet aerators and damage to plumbing systems, which over time may become extremely critical and costly.

Filtration becomes even more essential when sophisticated equipment is installed, such as condensing boilers, reverse osmosis systems and water dispensers.

Made in Italy

### Main advantages

Individually tested

Head and fittings made of glass-fiber reinforced polyamide

Bowl easy to open thanks to two clamps

Use of innovative materials

89 micron stainless steel cartridges

Stainless steel cartridges available on request in 50 / 200 / 500 micron versions

Backwashing system operated by control knob

Internal impeller inside the cartridge for perfect cartridge cleaning

### Technical features

Available with or without pressure reducer (from 1 to 6.5 bar)

360° rotating fittings without disassembly

Transparent bowl made of shatterproof material

Drain valve

PN 16

| Item-Nr: | Description:                                                           |
|----------|------------------------------------------------------------------------|
| PLT015SR | PLT-D manual self-cleaning filter connection 1/2" M 89 µm - 7 m³/h     |
| PLT020SR | PLT-D manual self-cleaning filter connection 3/4" M 89 µm - 7.6 m³/h   |
| PLT025SR | PLT-D manual self-cleaning filter conn. 1" M 89 µm - 7.8 m³/h          |
| PLT032SR | PLT-D manual self-cleaning filter connection 1 1/4" M 89 µm - 8 m³/h   |
| PLT040SR | PLT-D manual self-cleaning filter connection 1 1/2" M 89 µm - 9.7 m³/h |
| PLT050SR | PLT-D manual self-cleaning filter connection 2" M 89 µm - 10.1 m³/h    |
| PLTCF89  | PLT-D replacement cartridge 89 µm                                      |

## EM-SC - Made in Italy

## EM-SC series manual self-cleaning filters



| A<br>mm | B<br>mm | C<br>mm | D<br>mm | E<br>mm | F<br>mm |
|---------|---------|---------|---------|---------|---------|
| 210     | 317     | 346     | -       | 99      | 95      |
| 210     | 252     | 346     | 94      | 99      | 104     |
| 210     | 252     | 358     | 100     | 105     | 110     |
| 210     | 252     | 358     | 110     | 105     | 120     |



EM-SC self-cleaning filters have been designed to guarantee perfect water filtration with minimal maintenance over time. The backwashing cleaning system is activated by a practical control knob, while water supply to the user remains uninterrupted during cleaning operations. Thanks to the patented "Turboclean" impeller combined with an AISI 316 stainless steel cartridge, these filters are ideal for the treatment of water containing impurities such as sand, rust and other foreign particles. The filter can be installed with water flow in either direction.

**Technical features**  
 Equipped with pressure gauges  
 Filter with brass head PN16  
 Brass body  
 AISI 316 stainless steel filter cartridge  
 Control knob for backwashing

Made in Italy

### Main advantages

Brass filter and head individually tested for long service life  
 Filtration with AISI 316 stainless steel cartridge complete with Turboclean impeller 200 micron  
 Available on request also in 50 - 125 - 200 - 500 micron versions  
 Control knob for easy backwashing  
 Installation with water flow in both directions

| Item-Nr: | Description:                                                                               |
|----------|--------------------------------------------------------------------------------------------|
| EMSC050  | EM-SC self-cleaning filter connection 2" (DN50) threaded M 200 µm - max 51 m³/h            |
| EMSC065  | EM-SC semi-automatic self-cleaning filter connection 2.5" (DN65) flange - 200 µm - 56 m³/h |
| EMSC080  | EM-SC semi-automatic self-cleaning filter connection 3" (DN80) flange - 200 µm - 67 m³/h   |
| EMSC100  | EM-SC manual self-cleaning filter connection 4" (DN100) flange 200 µm - 74 m³/h            |

## AUTOMATIC SELF-CLEANING FILTERS

### KEW-A

### Automatic self-cleaning filters "KEW-A" Series



#### Automatic Self-cleaning Filter

The filter is designed for the domestic range, ideal for the reduction and removal of unwanted sediment, such as sand, grit, debris, pipe scale and other loose particulate matter from the water and periodically flush them down the drain.

It can be used as a pre-filter for the center water filter and softener.

#### Main features:

The filter has an electronic control that counts down the days until the next automatic flush of collected sediment particles.

The number of days is programmable.

Otherwise, the electronic controller can work either with the transformer or with a 6 volt battery.

The controller will indicate when the battery needs to be replaced. Very easy to use and reliable.

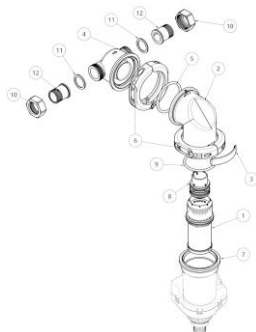
#### Technical parameters:

|                       |               |
|-----------------------|---------------|
| Model                 | KEW-A         |
| Flow rate             | 35gpm         |
| Working pressure      | 30~100psi     |
| Working temperature   | 5~49°C        |
| Inlet/outlet port     | 1"            |
| Rating of filter mesh | 70 micron     |
| Dimension             | 133×105×381mm |

| Item-Nr:   | Description:                                                                          |
|------------|---------------------------------------------------------------------------------------|
| KEWA025SR  | KEW-A automatic self-cleaning filter 1" M 70 µm 2,2 m3/h                              |
| KEWACARSIL | SILIPHOS replacement cartridges for KEW-A automatic self-cleaning filter              |
| KEWACONES  | KEW-A automatic self-cleaning filter replacement stainless steel cartridges 70 micron |

## PLT-D A - Made in Italy

## PLT-D A series automatic self-cleaning filters



| N° | Description                                             |
|----|---------------------------------------------------------|
| 1  | PLT-D filter element                                    |
| 2  | PLT-D filter head                                       |
| 3  | PLT-D filter clamp cover                                |
| 4  | 1 1/4" fitting for PLT-D filters                        |
| 5  | O-Ring 62.67 73.39 x 5.34 x 83.07                       |
| 6  | Complete PLT-D clamp                                    |
| 7  | Complete bowl with PLT-D drain mechanism and automation |
| 8  | Diverter assembly                                       |
| 9  | Non-standard O-Ring 75 x 5 x 85                         |
| 10 | 1 1/4" nut                                              |
| 11 | 1 1/4" flat seal 38 x 29 x 3                            |
| 12 | 1 1/4" flat-end connector for 1 1/4" cap                |



Protective filter for domestic drinking water systems, designed for final filtration and mechanical removal of impurities such as sand, rust, and metal residues.

Made with an AISI 304 stainless steel filter cartridge, it ensures precise micron filtration and complete cleaning thanks to the Turboclean system with automatic backwashing. It can be installed on pipelines in any orientation and is equipped with a 360° swivel connection and a drain valve for quick maintenance.

Also available in a version with integrated pressure reducer and pressure gauge, combining filtration and pressure regulation in a single compact, quiet device, ideal for households and single-user applications.

### Construction features

Fittings: brass CW 617N and CW 614N UNI EN 12165

Body: PA66 reinforced with glass fiber

Bowl: Grilamid TR90

Filter element: AISI 304 stainless steel mesh on PA support with glass fiber

Seals: EPDM 70 Shore

### Technical features

Max inlet pressure: 16 bar

Operating temperature (environment): 4°C to 40°C

Water temperature: 4°C to 40°C

Stainless steel cartridges: 89 micron

On request: 50 / 200 / 500 micron stainless steel cartridges

Threaded connections: 3/4" to 2" MM UNI-EN-ISO 228

Outlet pressure (pressure reducer version): 1 - 5 bar

Max working pressure: 5 bar

Automatic system power supply: 230 V - 50 Hz

Max power consumption: 5 W

Made in Italy

| Item-Nr:  | Description:                                                                        |
|-----------|-------------------------------------------------------------------------------------|
| ESCA015SR | PLT-D A automatic self-cleaning filter connection 1/2" - M 89 µm - 7 m³/h           |
| ESCA020SR | PLT-D A automatic self-cleaning filter inlet/outlet - 3/4" - M 89 µm - max 7.6 m³/h |
| ESCA025SR | PLT-D A automatic self-cleaning filter inlet/outlet - 1" - M 89 µm - 7.8 m³/h       |
| ESCA032SR | PLT-D A automatic self-cleaning filter inlet/outlet - 1 1/4" - M 89 µm - 8 m³/h     |
| ESCA040SR | PLT-D A automatic self-cleaning filter inlet/outlet - 1 1/2" - M 89 µm - 9.7 m³/h   |
| ESCA050SR | PLT-D A automatic self-cleaning filter inlet/outlet - 2" - M 89 µm - 10.1 m³/h      |

## EM-SC A - Made in Italy

## EM-SC A series automatic self-cleaning filters



| N° | Description                                      |
|----|--------------------------------------------------|
| 1  | Brass head                                       |
| 2  | Pressure gauge                                   |
| 3  | Hose tail + nut + gasket (pair)                  |
| 4  | Counter flanges (pair)                           |
| 5  | Flanges (pair)                                   |
| 6  | Spring                                           |
| 7  | O-ring tank/head                                 |
| 8  | Diverter valve                                   |
| 9  | Stainless steel cartridge with impeller + O-ring |
| 10 | Tank with automatic system                       |
| 11 | Power supply                                     |
| 12 | Disassembly wrench                               |



EM-SC-A self-cleaning filters have been designed to guarantee perfect water filtration at high flow rates with minimal maintenance over time. Filter cleaning is carried out by backwashing, during which water supply to the user is maintained.

The backwashing process is operated by an electromechanical system controlled by an adjustable timer according to requirements, equipped with a safety system that prevents flooding in case of power failure or malfunction. Thanks to the patented "Turboclean" impeller combined with an AISI 316 stainless steel cartridge, these filters are ideal for the treatment of water containing impurities such as sand, rust and other foreign particles.

### Technical features

Equipped with pressure gauges

Filter with brass head PN16

Brass body

AISI 316 stainless steel filter cartridge

Automatic backwashing system compliant with CE standards, powered by low voltage and compatible with Machinery Directive

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### Main advantages

Brass filter and head individually tested for long service life

Filtration with AISI 316 stainless steel cartridge complete with Turboclean impeller 200 micron

Available on request also in 50 - 125 - 200 - 500 micron versions

Compliant with Ministerial Decree 443 and European standards

| Item-Nr: | Description:                                                                                 |
|----------|----------------------------------------------------------------------------------------------|
| EMSCA050 | EM-SC A automatic self-cleaning filter connection 2" (DN50) threaded M 200 µm - max 51 m³/h  |
| EMSCA065 | EM-SC A automatic self-cleaning filter connection 2½" (DN65) threaded M 200 µm - max 56 m³/h |
| EMSCA080 | EM-SC A automatic self-cleaning filter connection 3" (DN80) flange 200 µm - 67 m³/h          |
| EMSCA100 | EM-SC A automatic self-cleaning filter connection 4" (DN100) flange 200 µm - 74 m³/h         |

## POLYPHOSPHATE BATCHERS AND ACCESSORIES

### FLEXI

### FLEXI series proportional polyphosphate dosing units



Polyphosphate dosing units are anti-scale and anti-corrosion devices for boilers, water heaters, washing machines and dishwashers. Their operation is based on automatic and proportional dosing of polyphosphate product, with a chelating and sequestering action capable of:

- Preventing calcium carbonate deposits (inhibits limescale formation)
- Forming a protective film on the inner surface of pipes (no corrosion)
- Food-grade quality

As is well known, polyphosphate inhibits the formation of limescale deposits, extending the service life of pipes and heat exchanger coils. In addition, it helps prevent the formation of dirt in piping systems, thereby protecting all equipment from potential failures such as plumbing installations, showers, taps, boilers, wall ovens, and washing machines, while also ensuring significant energy savings. The polyphosphate used in replacement cartridges is food-grade, compliant with EEC standards, and therefore suitable for civil installations.

| Item-Nr:     | Description:                                                                                              |
|--------------|-----------------------------------------------------------------------------------------------------------|
| DP04BP012FR1 | Flexi compact proportional dosing unit with chrome-plated brass head, bypass and 1/2" connections         |
| DP04FL015G   | Flexi 360° proportional dosing unit with chrome-plated brass head, bypass 1/2" conn.swivel nut + 1 refill |

### FLEXI PF

### Polyphosphate refills for FLEXI series dosing units



Pack of 6 FLEXI polyphosphate refill cartridges for dosing systems. Designed for anti-scale and anti-corrosion treatment in domestic water systems, they help prevent limescale formation, protect pipes and appliances, and improve system efficiency. Food-grade quality, suitable for drinking water applications.

| Item-Nr:  | Description:                                                       |
|-----------|--------------------------------------------------------------------|
| DPS00RP06 | Polyphosphate refill for FLEXI dosing unit pack of 6 pcs (blister) |



## DS-PM

## Mini anti-scale dosing units with polyphosphate for washing machines



Mini anti-scale dosing units with polyphosphate for washing machines, designed to effectively protect household appliances from limescale formation and calcium carbonate deposits.

The polyphosphate action helps sequester water hardness salts, preventing scaling on heating elements and internal components, while maintaining long-term appliance performance.

Compact and easy to install, they offer a simple and cost-effective solution for domestic water protection without the need for electrical power or complex maintenance.

Polyphosphate dosing is gradual and proportional to water flow.

### Main features

- Anti-scale protection for washing machines
- Natural polyphosphate dosing
- Reduction of calcium carbonate deposits
- Protection of heating elements and internal parts
- Compact and easy installation
- No electrical power required
- Minimal maintenance

### Applications

- Domestic washing machines
- Protection of household appliances from scaling
- Domestic water treatment

| Item-Nr:    | Description:                                                                            |
|-------------|-----------------------------------------------------------------------------------------|
| DL03PP034PF | Mini polyphosphate dosing unit for washing machine with polyphosphate, connections 3/4" |
| DL03PP034V  | Empty polyphosphate dosing unit for washing machine                                     |

## MOS-S1B- Polyphosphate dispenser - Made in Italy

## MOS-S1B Polyphosphate dispenser



Phosphate/silicate sphere dosing system + filtration with swivel connection. Innovative phosphate/silicate sphere dosing system useful for preventing encrustations on the domestic water system. The combined filtration + dosing action makes it a unique system of its kind. The charge can also be restored by unqualified personnel with a simple operation.

### FEATURES

- Maintenance date
- Polymer thread
- Swivel in/out connection
- Cartridge with centering ring
- Exhaust valve

### TECHNICAL DATA

Available sizes: DN 20-DN 25-DN 32  
 IN-OUT connections 3/4" (2.5 m3/h) 1" (3.5 m3/h) 1 1/4" (4 m3/h)  
 Nominal pressure 10 bar  
 Water temp. MIN/MAX 5 - 30°C  
 Anti-scaling / anti-corrosion product: "FOOD GRADE" phosphate / silicate spheres  
 Charge duration: 100 - 120 m3  
 Connection fittings material: Polymer  
 Packaging quantity: 8 pieces

D.M.174 del 06/04/2004, D.M. 25/12  
 Made in Italy

| Item-Nr:     | Description:                                                             |
|--------------|--------------------------------------------------------------------------|
| MOS1B020V    | MOS-S1B polyphosphate dosing filter with 3/4" swivel connection (empty)  |
| MOS1B025V    | MOS-S1B polyphosphate dosing filter with 1" swivel connection (empty)    |
| MOS1B032V    | MOS-S1B polyphosphate dosing filter with 1,25" swivel connection (empty) |
| XMOS1B00PSCT | Cartridge with spherical polyphosphate for MOS-S1B dosing filter         |



## MAGNETIC DIRT SEPARATORS

### DF-PLX

### Magnetic dirt separator w/plastic housing PLX Series



Mandatory for the correct operation of your condensing boiler and heating system.

Installation of our device prevents damage and malfunctions by separating and filtering dirt and sludge inside the pipes.

The internal magnetic device also makes the dirt separator suitable for systems with higher concentrations of ferrous particles, scaling and debris caused by corrosion.

#### ADDITIONAL BENEFITS:

Super compact, its ultra-compact size allows installation practically under any boiler.

The nickel-plated brass construction also makes it suitable for integration with any other system component, especially in exposed installations.

The powerful internal magnetic device, combined with the filter cartridge, is the core of our dirt separator.

The internal magnet is constantly in contact with the fluid, ensuring correct operation at all times.

For more thorough cleaning of the magnet and cartridge, the dirt separator is internally inspectable and fully disassemblable.

| Item-Nr:  | Description:                                                                    |
|-----------|---------------------------------------------------------------------------------|
| DFPLX01BI | Magnetic dirt separator DF-PLX plastic and brass body stainless steel cartridge |

## CONDENSATION NEUTRALIZER

NC

ACB condensate neutralizer



The ACB condensate neutralizing filter is an effective solution for treating acidic condensate produced by condensing boilers. Thanks to its alkaline oxide-based composition, it neutralizes condensate water acidity before discharge, protecting piping systems and ensuring compliance with environmental regulations. Its solid formulation of inert and non-hazardous white spheres makes it safe, easy to handle, and operator-friendly. It is particularly suitable for installation in domestic or industrial systems where a reliable, low-maintenance solution for condensate management is required.

**Technical data**  
 Appearance: white granules  
 Odour: odourless  
 pH (solution): 8 - 10  
 Main composition: MgO, Al<sub>2</sub>O<sub>3</sub>, CaO, K<sub>2</sub>O, Fe<sub>2</sub>O<sub>3</sub>, SiO<sub>2</sub>  
 Density: 3.4 g/cm<sup>3</sup>  
 Melting point: 2852 °C  
 Boiling point: 3600 °C  
 Water solubility: insoluble  
 Flammability: non-combustible  
 GHS classification: non-hazardous  
 Reactivity: avoid strong acids and oxidizers  
 Storage: cool, dry place, protected from sun and heat  
 Recommended use: condensate water neutralization  
 Main CAS: 1309-48-4 (MgO), 11092-32-3 (Al<sub>2</sub>O<sub>3</sub>), 1305-78-8 (CaO)

| Item-Nr:      | Description:                                                                             |
|---------------|------------------------------------------------------------------------------------------|
| NC002ACB      | ACB condensate neutralizing filter for condensing boilers 3/4" connections with fittings |
| NC002KITRAC   | Kit of 3 plastic fittings for condensate neutralizing filter                             |
| NC002RIC01ACB | ACB refill for condensate neutralizing filter – alkaline ceramic spheres                 |
| XDL03PP034WG  | Empty filter for ACB condensate neutralizer                                              |



## QUICK BAYONET CONNECTION FILTERS AND CARTRIDGES

### BAYONET QUICK-FIT CARTRIDGES - POINT OF USE

## BAYONET QUICK-FIT CARTRIDGES - POINT OF USE

### PURESTAR Micro CB Quick Fit

### PURESTAR Micro CB Filter 5 µm carbon block Quick Fit connection



PURESTAR CB filters guarantee a filtration rate of 5 microns, reducing chlorine and suspended particles, thus significantly improving the taste and odor of treated water.

They are used in technological systems and household appliances, ensuring high flow rates and autonomy as well as low pressure drop.

They are also the ideal pre-filtration solution in reverse osmosis systems.

When combined with the appropriate filter head, the RAPID SYSTEM connection is compatible with the heads of the main products on the market.

\*To calculate the operating times, the presence of 1 ppm of chlorine in the water to be treated is considered.

\* Flow rate may vary depending on the inlet pressure. Flow rate is a parameter that strongly depends on the quality of the feed water;

Therefore, a high level of water contamination (high SDI, high suspended solids content) results in a reduced flow rate and filter lifespan.

The PURESTAR CB system, with a flow rate of 20,000 liters and an inlet chlorine concentration between 0.15 and 0.20 mg/l (as per regulations), has been shown to guarantee a reduction of between 80% and 90% over its entire lifespan.

Similar tests performed on PURESTAR CB 30K and 45K filters showed the same reduction level of >90%. PURESTAR filters guarantee high flow rates and runtimes as well as low pressure drop.

No electricity required

Disposable filter

Easy installation and replacement

Vertical and horizontal installation

Improves taste

Chlorine reduction

Reduction of suspended particulate matter

Ideal for under-sink installations

Technology: Carbon Block

Filtration grade: 5 µm

Battery life: varies depending on incoming water quality, required flow rate, incoming water pressure, and filter usage.

Temperature: 3 - 30°C (36 - 92°F)

Pressure: 1 - 7 bar (15 - 100 psi), non-shock

Box of 6 pcs

| Item-Nr:  | Description:                                                                          |
|-----------|---------------------------------------------------------------------------------------|
| QCCBB15BS | PURESTAR Micro CB replacement cartridge 5 µm 15K SMALL with quick bayonet connection  |
| QCCBB30BS | PURESTAR Micro CB replacement cartridge 5 µm 30K MEDIUM with quick bayonet connection |
| QCCBB45BS | PURESTAR Micro CB replacement cartridge 5 µm 45K LARGE with quick bayonet connection  |

## PURESTAR Micro Quick Fit PURESTAR Micro Powdered Activated Carbon Filter 0.5 µm Quick Fit connection



PURESTAR Micro filters guarantee a 0.5 micron filtration rating, reducing chlorine and suspended microparticles, thus significantly improving the taste and odor of treated water.

They are used in technological systems and appliances, ensuring high flow rates and long service life with low pressure drop. They are also an ideal solution for final filtration / polishing in drinking water treatment systems.

When combined with the appropriate filter head, the QUICK FIT connection is compatible with the heads of the main products on the market.

\*For capacity calculation, 1 ppm chlorine in inlet water is considered.

\*\*Flow rate may vary depending on inlet pressure.

Flow rate strongly depends on feed water quality; therefore high contamination levels (high SDI, high suspended solids content) result in reduced flow and filter lifetime.

PURESTAR filters ensure high flow rates and long autonomy with low pressure drop.

No electricity required

Disposable filter

Easy installation and replacement

Vertical installation Improves water taste

Chlorine reduction

Suspended particle reduction

Technology: Precoat, powdered activated carbon (PAC)

Filtration rating: 0.5 micron

Autonomy: varies depending on inlet water quality, flow rate and operating pressure Pressure: 1-7 bar (15-100 psi), non-shock

Temperature: 3-30 °C (36-92 °F)

Box of 6 pcs

| Item-Nr:    | Description:                                                          |
|-------------|-----------------------------------------------------------------------|
| QCMFR10BFRE | Purestar Micro replacement cartridge micro 10K bayonet quick coupling |
| QCMFR15BFRE | Purestar Micro replacement cartridge micro 15k bayonet quick coupling |
| QCMFR30BFRE | Purestar Micro replacement cartridge micro 30K bayonet quick coupling |

## PURESTAR Micro AG SILVER Quick Fit

PURESTAR Micro AG filter with powdered activated carbon, 0.5 µm, silver-coated, Quick Fit connection



PURESTAR Micro AG filter with silver-impregnated powdered activated carbon (PAC) Quick Fit connection with 0.5 micron filtration rating reduces chlorine and suspended microparticles, contributing to significantly improving the taste and odor of treated water enhanced antibacterial action. They are used in technological systems and appliances, ensuring high flow rates and long service life with low pressure drop. They are also an ideal solution as post-filtration in drinking water treatment systems. When combined with the appropriate filter head the QUICK FIT connection is compatible with the heads of the main products on the market.

\* For capacity calculation 1 ppm chlorine in inlet water is considered.

\*\* Flow rate may vary depending on inlet pressure.

Flow rate strongly depends on feed water quality therefore high contamination levels (high SDI high suspended solids content) result in reduced flow and filter lifetime.

PURESTAR filters ensure high flow rates and long service life with low pressure drop.

No electricity required

Disposable filter

Easy installation and replacement

Vertical installation

Improves water taste

Chlorine reduction

Suspended particle reduction

Enhanced antibacterial action (silver)

Technology Precoat silver-impregnated powdered activated carbon (PAC)

Filtration rating 0.5 micron

Autonomy varies depending on inlet water quality flow rate and operating pressure

Pressure 1-7 bar (15-100 psi) non-shock

Temperature 3-30 °C (36-92 °F)

Box of 6 pcs

| Item-Nr:      | Description:                                                             |
|---------------|--------------------------------------------------------------------------|
| QCMFR10BFREAG | Purestar Micro replacement cartridge micro AG 10K bayonet quick coupling |
| QCMFR15BFREAG | Purestar Micro replacement cartridge micro AG 15k bayonet quick coupling |
| QCMFR30BFREAG | Purestar Micro replacement cartridge micro AG 30K bayonet quick coupling |

## PURESTAR Micro CB-AG Quick Fit

## PURESTAR Micro CB-AG silver-coated carbon black filter 0.5 µm Quick Fit connection



PURESTAR Micro CB-AG filter silver-impregnated carbon block Quick Fit connection with 0.5 micron filtration rating reduces chlorine and suspended microparticles significantly improving taste and odor of treated water enhanced antibacterial action.

They are used in technological systems and appliances ensuring high flow rates and long service life with low pressure drop.

They are also an ideal solution as post-filtration in drinking water treatment systems.

When combined with the appropriate filter head the QUICK FIT connection is compatible with the heads of the main products on the market.

\* For capacity calculation 1 ppm chlorine in inlet water is considered.

\*\* Flow rate may vary depending on inlet pressure.

Flow rate strongly depends on feed water quality therefore high contamination (high SDI suspended solids) reduces flow and filter lifetime.

PURESTAR filters ensure high flow rates and long service life with low pressure drop.

No electricity required

Disposable filter

Easy installation and replacement

Vertical installation Improves water taste

Chlorine reduction Suspended particles reduction

Enhanced antibacterial action (silver)

Technology silver-impregnated carbon block

Filtration rating 0.5 micron

Autonomy varies depending on inlet water quality flow rate and operating pressure

Pressure 1-7 bar (15-100 psi) non-shock

Temperature 3-30 °C (36-92 °F)

Box of 6 pcs

| Item-Nr:    | Description:                                                                        |
|-------------|-------------------------------------------------------------------------------------|
| QCCBBAG15BS | PURESTAR Micro CB-AG replacement cartridge 15K SMALL with quick bayonet connection  |
| QCCBBAG30BM | PURESTAR Micro CB-AG replacement cartridge 30K MEDIUM with quick bayonet connection |
| QCCBBAG45BL | PURESTAR Micro CB-AG replacement cartridge 45K LARGE with quick bayonet connection  |

## PURESTAR REMI Quick Fit PURESTAR REMI Remineralizing Filter Quick Fit Connection



PURESTAR REMI remineralizing filters contain a special material with deacidifying and stabilizing effects. They are used in water treatment systems and reverse osmosis systems, helping to rebalance pH and improve the organoleptic properties of treated water. They are also an ideal final stage for remineralization in drinking water polishing systems. When combined with the appropriate filter head, the QUICK FIT connection is compatible with the heads of the main products on the market.

\* Autonomy values are indicative and depend on inlet water quality.

PURESTAR REMI ensures pH stabilization and improved taste of treated water.

- No electricity required
- Disposable filter
- Easy installation and replacement
- Vertical installation
- Improves water taste
- pH stabilization
- Deacidifying effect
- Technology: selected remineralizing media
- Autonomy depends on inlet water quality
- Pressure: 1-7 bar (15-100 psi) non-shock
- Temperature: 3-30 °C (36-92 °F)

Box of 6 pcs

| Item-Nr:  | Description:                                                                    |
|-----------|---------------------------------------------------------------------------------|
| QCREM25BS | PURESTAR REMI remineralizing cartridge 25K SMALL with quick bayonet connection  |
| QCREM45BM | PURESTAR REMI remineralizing cartridge 45K MEDIUM with quick bayonet connection |
| QCREM63BL | PURESTAR REMI remineralizing cartridge 63K LARGE with quick bayonet connection  |



## PURESTAR DEMI Quick Fit PURESTAR DEMI Demineralizing Filter Quick Fit Connection



PURESTAR DEMI demineralizing filters contain a special material designed to reduce dissolved salts and stabilize treated water quality. They are used in water treatment systems and reverse osmosis systems, helping to reduce hardness and excess mineral content. They are also an ideal stage for demineralization in drinking water polishing systems.

When combined with the appropriate filter head, the QUICK FIT connection is compatible with the heads of the main products on the market.

\* Autonomy values are indicative and depend on inlet water quality.

PURESTAR DEMI ensures salt reduction and improved treated water quality.

No electricity required

Disposable filter

Easy installation and replacement

Vertical installation

Mineral salt reduction

Hardness reduction

Technology: selected demineralizing media

Autonomy depends on inlet water quality

Pressure: 1-7 bar (15-100 psi) non-shock

Temperature: 3-30 °C (36-92 °F)

Box of 6 pcs

| Item-Nr:      | Description:                                                                               |
|---------------|--------------------------------------------------------------------------------------------|
| QCDEM250BFRE  | PURESTAR DEMI demineralizing cartridge 25 SMALL 200L with quick bayonet connection         |
| QCDEM350BFRE  | PURESTAR DEMI demineralizing cartridge 35 MEDIUM 300L with quick bayonet connection        |
| QCDEM500BFRE  | PURESTAR DEMI demineralizing cartridge 50 LARGE 450L with quick bayonet connection         |
| QCDEMJ350BFRE | PURESTAR DEMI demineralizing cartridge 35 MEDIUM JUMBO 890L with quick bayonet connection  |
| QCDEMJ500BFRE | PURESTAR DEMI demineralizing cartridge 50 MEDIUM JUMBO 1290L with quick bayonet connection |

## PURESTAR PFAS-LESS Quick Fit

## PURESTAR PFAS-LESS PFAS removal filter Quick Fit connection



PURESTAR PFAS-LESS filters are designed for the reduction of PFAS compounds in water using a highly selective adsorption media. They are used in water treatment systems and polishing systems, helping reduce per- and polyfluoroalkyl substances (PFAS) from drinking water. They are also an ideal dedicated stage for PFAS reduction in drinking water treatment systems.

When combined with the appropriate filter head, the QUICK FIT connection is compatible with the heads of the main products on the market.

\* Performance and autonomy values are indicative and depend on inlet water quality.

PURESTAR PFAS-LESS ensures selective PFAS reduction and improved treated water quality.

No electricity required

Disposable filter

Easy installation and replacement

Vertical installation

PFAS reduction

Selective PFAS adsorption media technology

Autonomy depends on inlet water quality

Pressure: 1-7 bar (15-100 psi) non-shock

Temperature: 3-30 °C (36-92 °F)

Box of 6 pcs

| Item-Nr:    | Description:                                                                         |
|-------------|--------------------------------------------------------------------------------------|
| QCPFR10BFRE | PURESTAR PFASLESS PFAS removal cartridge 10K 25 SMALL with quick bayonet connection  |
| QCPFR15BFRE | PURESTAR PFASLESS PFAS removal cartridge 15K 35 MEDIUM with quick bayonet connection |
| QCPFR30BFRE | PURESTAR PFASLESS PFAS removal cartridge 30K 50 LARGE with quick bayonet connection  |

## PURESTAR HEAD Quick Fit PURESTAR Quick-FIT head for all PURESTAR series filters



| Item-Nr:    | Description:                                                            |
|-------------|-------------------------------------------------------------------------|
| QCMF10BFHE5 | PURESTAR cartridge head with side shut-off valves 8 mm tube connection  |
| QCMF10BFHE6 | PURESTAR cartridge head with side shut-off valves 10 mm tube connection |

## PURESTAR QC-Quick FIT CBM carbon block mineral

## PURESTAR QC-Quick FIT Quick-connect CBM carbon block mineral filters with swivel head



### FEATURES:

Removal of unpleasant odors and tastes, sediments, some heavy metals, and harmful organic compounds such as chlorine and VOC-based pesticides from the feed water.

### APPLICATIONS:

Maximum flow: 1.0 GPM

Maximum pressure: 105 psi

Maximum temperature: 45 °C (113 °F)

Service life: 6-9 months

### CAUTION:

Do not use with microbiologically unsafe water without adequate disinfection before or after the cartridge.

Use only with water temperatures as indicated above.

Service life and performance depend on water conditions and treated water volume.

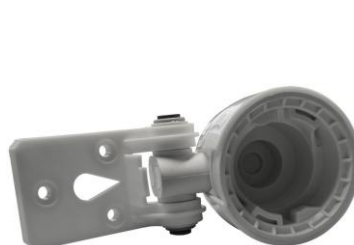
| Item-Nr: | Description: |
|----------|--------------|
|----------|--------------|

|              |                                                                                        |
|--------------|----------------------------------------------------------------------------------------|
| CK0606CBM005 | PURESTAR QC-CBM Block mineral carbon filter 5 µm + adjustable quick coupling head 1/4" |
|--------------|----------------------------------------------------------------------------------------|

|           |                                                  |
|-----------|--------------------------------------------------|
| CKCBMS005 | PURESTAR QC-CBM Block mineral carbon filter 5 µm |
|-----------|--------------------------------------------------|

## PURESTAR QC-Quick FIT CBV coconut carbon block

## PURESTAR QC-Quick FIT Quick-connect CBV coconut carbon block filters with swivel head



### FEATURES:

Removes unpleasant odors, sediment, some heavy metals and harmful organic compounds such as chlorine and VOC-based pesticides from feed water.

### APPLICATIONS:

Pre-filtration and post-filtration in domestic water treatment systems for the reduction of chlorine, sediments, odors, unwanted tastes and organic compounds.

Maximum flow: 1.0 GPM

Maximum pressure: 105 psi

Maximum temperature: 45 °C (113 °F)

Service life: 6-9 months

### CAUTION:

Do not use with microbiologically unsafe water without adequate disinfection before or after the cartridge.

Use only with water temperatures as indicated above.

Service life and performance depend on water conditions and treated water volume.

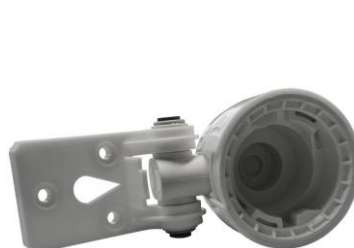
| Item-Nr: | Description: |
|----------|--------------|
|----------|--------------|

|              |                                                                                        |
|--------------|----------------------------------------------------------------------------------------|
| CK0606CBV005 | PURESTAR QC-CBV Block vegetal carbon filter 5 µm + adjustable quick coupling head 1/4" |
|--------------|----------------------------------------------------------------------------------------|

|          |                                                  |
|----------|--------------------------------------------------|
| CKCBV005 | PURESTAR QC-CBV Block vegetal carbon filter 5 µm |
|----------|--------------------------------------------------|

## PURESTAR QC-Quick FIT GCS carbone GAC silver coconut

## PURESTAR QC Quick FIT filters quick connection GCS GAC coconut carbon silver-coated swiveling head



### FEATURES:

Removes unpleasant odors, some heavy metals and harmful organic compounds such as chlorine and VOC-based pesticides from feed water.

### APPLICATIONS:

Pre-filtration and post-filtration in domestic water treatment systems for the reduction of chlorine, odors, unwanted tastes and organic compounds.

Maximum flow: 0.5 GPM

Maximum pressure: 105 psi

Maximum temperature: 45 °C (113 °F)

Service life: 6-9 months

### CAUTION:

Do not use with microbiologically unsafe water without adequate disinfection before or after the cartridge.

Use only with water temperatures as indicated above.

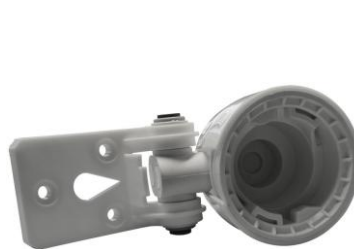
Service life and performance depend on water conditions and treated water volume.

The silver coating contributes to providing antimicrobial action, hindering the growth of bacteria and other microorganisms within the filter.

| Item-Nr:     | Description:                                                                          |
|--------------|---------------------------------------------------------------------------------------|
| CK0606GCS005 | PURESTAR QC-GCS GAC coconut silver-impregnated carbon+ adjustable quick-fit head 1/4" |
| CKGCS005     | PURESTAR QC-GCS GAC coconut silver-impregnated carbon                                 |

## PURESTAR QC-Quick FIT GCM carbone GAC minerale

## PURESTAR QC-Quick FIT Quick-connect GCM mineral carbon GAC filters with swivel head



### FEATURES:

Removal of unpleasant odors and tastes, sediments, some heavy metals, and harmful organic compounds such as chlorine and VOC-based pesticides from the feed water.

### APPLICATIONS:

Maximum flow: 1.0 GPM

Maximum pressure: 105 psi

Maximum temperature: 45 °C (113 °F)

Service life: 6-9 months

### CAUTION:

Do not use with microbiologically unsafe water without adequate disinfection before or after the cartridge.

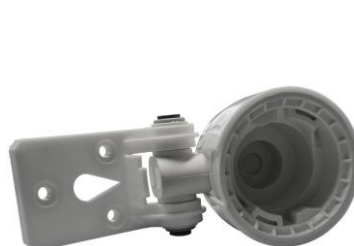
Use only with water temperatures as indicated above.

Service life and performance depend on water conditions and treated water volume.

| Item-Nr:     | Description:                                                                 |
|--------------|------------------------------------------------------------------------------|
| CK0606GAC005 | PURESTAR QC-GCM GAC carbon filter 5 µm + adjustable quick coupling head 1/4" |
| CKGAC005     | PURESTAR QC-GCM GAC carbon filter 5 µm                                       |

## PURESTAR QC-Quick FIT GCV carbone GAC vegetal coconut

## PURESTAR QC-Quick FIT Quick-connect GCV coconut carbon GAC filters with swivel head



### FEATURES:

Removal of unpleasant odors and tastes, sediments, some heavy metals, and harmful organic compounds such as chlorine and VOC-based pesticides from the feed water.

### APPLICATIONS:

Maximum flow: 0.5 GPM

Maximum pressure: 105 psi

Maximum temperature: 45 °C (113 °F)

Service life: 9-12 months

### CAUTION:

Do not use with microbiologically unsafe water without adequate disinfection before or after the cartridge.

Use only with water temperatures as indicated above.

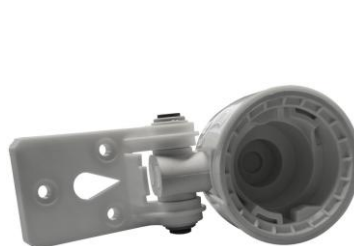
Service life and performance depend on water conditions and treated water volume.

The silver coating contributes to providing antimicrobial action, hindering the growth of bacteria and other microorganisms inside the filter.

| Item-Nr:     | Description:                                                       |
|--------------|--------------------------------------------------------------------|
| CK0606GCV005 | PURESTAR QC-GCS GAC coconut carbon+ adjustable quick-fit head 1/4" |
| CKGCV005     | PURESTAR QC-GCS GAC coconut carbon                                 |

## PURESTAR QC-Quick FIT PPS sediment filter

## PURESTAR QC-Quick FIT Quick-connect PP sediment filters with swivel head



### FEATURES:

Removes suspended solid particles such as sediment, sand, clay and rust from water, improving water quality and protecting sensitive equipment from damage caused by solid impurities.

### APPLICATIONS:

Pre-filtration and post-filtration in domestic water treatment systems for the removal of suspended sediments and solid impurities.

Maximum flow: 1.0 GPM

Maximum pressure: 105 psi

Maximum temperature: 45 °C (113 °F)

Service life: 6-12 months

### CAUTION:

Do not use with microbiologically unsafe water without adequate disinfection before or after the cartridge.

Use only with water temperatures as indicated above.

Service life and performance depend on water conditions and treated water volume.

| Item-Nr:     | Description:                                                              |
|--------------|---------------------------------------------------------------------------|
| CK0606PPS005 | PURESTAR QC-PP sediment filter 5 µm + quick coupling adjustable head 1/4" |
| CKPPS005     | PURESTAR QC-PP sediment filter 5 µm                                       |

## PURESTAR QC-Quick FIT UF hollow fiber

## PURESTAR QC-Quick FIT Quick-connect hollow fiber membrane with swivel head



### FEATURES:

Removes suspended solids, bacteria, turbidity and harmful organic compounds such as chlorine and VOC-based pesticides from feed water.

### APPLICATIONS:

Maximum flow: 0.5 GPM

Maximum pressure: 105 psi

Maximum temperature: 45 °C (113 °F)

Service life: 9-12 months

### CAUTION:

Do not use with microbiologically unsafe water without adequate disinfection before or after the cartridge.

Use only with water temperatures as indicated above.

Service life and performance depend on water conditions and treated water volume.

| Item-Nr:     | Description:                                                                      |
|--------------|-----------------------------------------------------------------------------------|
| CK0606UFC002 | PURESTAR QC-UF Hollow fiber UF membrane + 1/4"-1/4" orientable quick connect head |
| CKUFC002     | PURESTAR QC-UF Hollow fiber UF membrane                                           |
| PSCKQUFC002  | PURESTAR QC-UF Hollow fiber UF membrane                                           |

## PURESTAR QC-Quick FIT RO membrane

## PURESTAR QC-Quick FIT Quick-connect RO membrane with swivel head



### FEATURES:

Removes sediment, dissolved salts, harmful organic compounds, bacteria, viruses and heavy metals such as arsenic, lead, chromium etc.

### APPLICATIONS:

Used in reverse osmosis systems for the reduction of dissolved salts, organic contaminants, heavy metals, bacteria and viruses from feed water.

Maximum flow: 180 GPD

Maximum pressure: 105 psi

Maximum temperature: 45 °C (113 °F)

Service life: 24-60 months

### CAUTION:

Do not use with microbiologically unsafe water without adequate disinfection before or after the cartridge.

Use only with water temperatures as indicated above.

Service life and performance depend on water conditions and treated water volume.

| Item-Nr:      | Description:                                                                         |
|---------------|--------------------------------------------------------------------------------------|
| CK00606ROQ180 | PURESTAR QC-RO CSG 180 GPD Membrane + 1/4"-1/4"-5/16" adjustable quick coupling head |
| CKROQ180K     | PURESTAR QC-RO CSG 180 GPD Membrane                                                  |



## PURESTAR QC-Quick FIT accessories



| Item-Nr:  | Description:                                                                  |
|-----------|-------------------------------------------------------------------------------|
| CK0806F   | PURESTAR QC-RO 1/4"-1/4"-5/16" adjustable quick coupling head for RO Membrane |
| CKQF0606F | PURESTAR QC Adjustable quick coupling head 1/4"                               |

## QC-SLIM FILTERS

### QC-SLIM bayonet filters



QC-SLIM bayonet filters for water treatment, designed for quick and safe installation without the use of tools.

The compact design makes them ideal for both domestic and professional applications.

Available in different filtration types to meet various needs: sediment, granular activated carbon, carbon block, and ultrafiltration.

QC-Slim filter head connections inlet/outlet 1/4" female thread.

They ensure high efficiency in removing impurities, chlorine, odors, and unwanted substances, improving water quality.

Quick-connect bayonet system for easy and fast cartridge replacement.

| Item-Nr:  | Description:                                                                                  |
|-----------|-----------------------------------------------------------------------------------------------|
| QCCB10F   | QC-Slim quick-connect bayonet filter carbon block CB with head                                |
| QCCB10F00 | QC-Slim quick-connect bayonet filter carbon block CB without head (filter only)               |
| QCGC10F   | QC-Slim quick-connect bayonet filter granular activated carbon GAC with head                  |
| QCGC10F00 | QC-Slim quick-connect bayonet filter granular activated carbon GAC without head (filter only) |
| QCPP10F   | QC-Slim quick-connect bayonet sediment filter PP with head                                    |
| QCPP10F00 | QC-Slim quick-connect bayonet sediment filter PP without head (filter only)                   |
| QCUF10F   | QC-Slim quick-connect bayonet ultrafiltration filter UF with head                             |
| QCUF10F00 | QC-Slim quick-connect bayonet ultrafiltration filter UF with head (filter only)               |
| XQC10HE   | QC-Slim head for QC-Slim quick-connect bayonet filters inlet/outlet 1/4" female thread        |



## INDUSTRIAL FILTRATION

### MULTI-CARTRIDGE FILTERS - HYDROCYCLONE SEPARATORS



## MULTI-CARTRIDGE FILTERS

### MULTI SS FM

### Multi-cartridge filters in Stainless Steel


**Standard Features:**

304SS Stainless Steel Body with sanded surface finish

Designed to match all standard cartridges

Different filtration ratings available

Easy and practical cartridge change.

- 1/4" gauge connection

- 1/2" water discharge connection

Compatible with MB-PP-DOE cartridges.

**Operating conditions**

- Operating pressure : 2-7 bar

- Operating temperature : 3-45°C

Optional features : SS316 Stainless Steel Body - Special version with 16 bar resistant design - Oil-filled gauge - Discharge valve:- Flanged connection

\*Flow rate is based on 5μ PP cartridge

\*Cartridge prices are not included in the prices below

| Item-Nr:         | Description:                                                                              |
|------------------|-------------------------------------------------------------------------------------------|
| FMC10320A304S040 | Multi-Cartridge filter housing in stainless steel, 3x20 " 1 1/2" ports - Flow rate 8 m3/h |
| FMC20330A304S050 | Multi-Cartridge filter housing in stainless steel, 3x30 " 2" ports - Flow rate 12 m3/h    |
| FMC30340A304S050 | Multi-Cartridge filter housing in stainless steel, 3x40 " 2" ports - Flow rate 16 m3/h    |
| FMC40730A304S065 | Multi-Cartridge filter housing in stainless steel, 7x30 " 3" ports - Flow rate 28 m3/h    |
| FMC50740A304S065 | Multi-Cartridge filter housing in stainless steel, 7x40 " 3" ports - Flow rate 38 m3/h    |
| FMC61230A304S100 | Multi-Cartridge filter housing in stainless steel, 12x30 " 4" ports - Flow rate 48 m3/h   |
| FMC71240A304S100 | Multi-Cartridge filter housing in stainless steel, 12x40 " 4" ports - Flow rate 64 m3/h   |
| FMC81940A304S100 | Multi-Cartridge filter housing in stainless steel, 19x40 " 4" ports - Flow rate 100 m3/h  |

## MULTI PVC-U

## Multi-cartridge filters in PVC-U



PVC multi-cartridge filters for water and industrial fluid filtration in civil and industrial applications.

**Standard Features:**

PVC-U Body

Designed to match all standard cartridges

Different filtration ratings available; easy and practical cartridge change.

Compatible with MB-PP-DOE cartridges.

**Operating conditions**

- Operating pressure : 2-6 bar

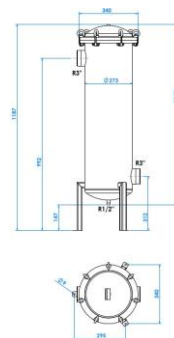
- Operating temperature : 3-45°C

\*Cartridges are not included

| Item-Nr:      | Description:                                                                   |
|---------------|--------------------------------------------------------------------------------|
| FMC510P04DN63 | Multi-Cartridge filter housing in PVC-U 5x10" DN63 ports - Flow rate 4,5 m3/h  |
| FMC520P09DN63 | Multi-Cartridge filter housing in PVC-U 5x20" DN63 ports - Flow rate 9,0 m3/h  |
| FMC530P13DN63 | Multi-Cartridge filter housing in PVC-U 5x30" DN63 ports - Flow rate 13,5 m3/h |
| FMC540P18DN63 | Multi-Cartridge filter housing in PVC-U 5x40" DN63 ports - Flow rate 18,0 m3/h |
| FMC920P16DN90 | Multi-Cartridge filter housing in PVC-U 9x20" DN90 ports - Flow rate 16,0 m3/h |
| FMC930P24DN90 | Multi-Cartridge filter housing in PVC-U 9x30" DN90 ports - Flow rate 24,3 m3/h |
| FMC940P32DN90 | Multi-Cartridge filter housing in PVC-U 9x40" DN90 ports - Flow rate 32,4 m3/h |

## BAG FILTER SS

### Bag filters in stainless steel



Stainless steel AISI 304 bag filters designed for the filtration of water and industrial fluids.  
The robust and corrosion-resistant structure ensures high reliability and long service life even under heavy-duty operating conditions, making them suitable for civil and industrial applications.  
The system allows easy replacement of the filter bag and simple, efficient maintenance.

The filtration degree can be selected according to the filter bag used (supplied separately).

#### FEATURES

- Stainless steel AISI 304 body
- Mirror polished or satin surface
- Selectable filter bag micron rating (supplied separately)
- Simple filter bag replacement system
- 1/4" pressure gauge connection
- 1/2" drain connection
- Operating pressure 2 - 8 bar
- Operating temperature 2 - 45 °C

#### TECHNICAL FEATURES

- Model: FSM 1
- Maximum flow rate: 40 m³/h
- Filtration sensitivity: 1 - 200 µ
- Body inlet/outlet connections: 3"
- Body material: AISI 304 stainless steel
- Operating pressure: 2 - 8 bar
- Filter element type: Polypropylene

| Item-Nr:     | Description:                                                                                           |
|--------------|--------------------------------------------------------------------------------------------------------|
| FSM10132S    | Bag filter in stainless steel A304 (sandblasted surface) 1x32 "with 3" connection. Flow rate 40 m3 / h |
| FSMBAG032001 | Bag 32" 1 µm                                                                                           |
| FSMBAG032005 | Bag 32" 5 µm                                                                                           |
| FSMBAG032010 | Bag 32" 10 µm                                                                                          |
| FSMBAG032020 | Bag 32" 20 µm                                                                                          |
| FSMBAG032050 | Bag 32" 50 µm                                                                                          |
| FSMBAG032100 | Bag 32" 100 µm                                                                                         |
| FSMBAG032200 | Bag 32" 200 µm                                                                                         |

## BAG FILTER PVC-U

### Bag filters in PVC-U



PVC multi-cartridge filters designed for the filtration of water and industrial fluids.

The robust and corrosion-resistant construction ensures high reliability and long service life, even under demanding operating conditions, making them suitable for civil and industrial applications.

The system allows easy cartridge replacement and simple, efficient maintenance.

The filtration degree can be selected according to the cartridges used (supplied separately).

| Item-Nr:     | Description:                                                                       |
|--------------|------------------------------------------------------------------------------------|
| FSM10117U    | Bag filter in PVC-U 1x17" with DN50 connection. Flow rate 10-15 m <sup>3</sup> / h |
| FSM10132U    | Bag filter in PVC-U 1x32" with DN50 connection. Flow rate 20-25 m <sup>3</sup> / h |
| FSUBAG017005 | Bag 17" 5 µm                                                                       |
| FSUBAG032005 | Bag 32" 5 µm                                                                       |

## HYDROCYCLONE SEPARATORS

### IDROCICLONE - Serie IRSS - AISI 304

### Hydrocyclone centrifugal separators - stainless steel AISI 304 Series IRSS



The hydrocyclone filter, or filter ring, or centrifugal separator sand, is often considered a pre-filter for the cleaning of liquids or very sandy or saturated with water solid particles such as gravel, or typically particles heavier than water.

It is usually mounted before a filtration station itself.

No special maintenance, filter water from: - rivers - ponds - wells.

The percentages of solid deposits eliminated also reaches 90%.

It ensures filtration of small solid particles such as:

sand  
gravel

Optional (on request):

it is possible to install in output of the filtered liquid

a relief valve or a safety valve

it is possible to automate the unloading of the waste output via a hydraulic valve or motor, controlled by a control unit.

example: Hydrocyclone separator Auto 2 "

1 EFFECTIVE LIQUID FILTER

2 OUTPUT LIQUID FILTERED

3 DRAIN WASTE

4 UNIT

5 FILTER SAFETY

6 GAUGE,

| Item-Nr:    | Description:                                                                 |
|-------------|------------------------------------------------------------------------------|
| IRSS0025SSC | Hydrocyclone IRSS in stainless steel AISI 304 1" - 5-10 m3/h                 |
| IRSS0040SSC | Hydrocyclone IRSS in stainless steel AISI 304 1½" - 10-18 m3/h               |
| IRSS0050SST | Hydrocyclone IRSS in stainless steel AISI 304 2" male thread- 18-25 m3/h     |
| IRSS0065SST | Hydrocyclone IRSS in stainless steel AISI 304 2½" male thread- 25-35 m3/h    |
| IRSS0080SST | Hydrocyclone IRSS in stainless steel AISI 304 3" male thrad- 35-65 m3/h      |
| IRSS0100SST | Hydrocyclone IRSS in stainless steel AISI 304 4" male thrad- 65-110 m3/h     |
| IRSS0125SST | Hydrocyclone IRSS in stainless steel AISI 304 5" Flange DN125 - 110-150 m3/h |
| IRSSFLDN032 | DN32 flange for IRSS Hydrocyclone in AISI 304 stainless steel                |
| IRSSFLDN050 | DN50 flange for IRSS Hydrocyclone in AISI 304 stainless steel                |
| IRSSFLDN065 | DN65 flange for IRSS Hydrocyclone in AISI 304 stainless steel                |
| IRSSFLDN080 | DN80 flange for IRSS Hydrocyclone in AISI 304 stainless steel                |
| IRSSFLDN100 | DN100 flange for IRSS Hydrocyclone in AISI 304 stainless steel               |
| IRSSFLDN125 | DN125 flange for IRSS Hydrocyclone in AISI 304 stainless steel               |

## IDROCICLONE - Serie IRS6 - AISI 316

## Hydrocyclone centrifugal separators - stainless steel AISI 316 Series IRSS



The hydrocyclone filter, or filter ring, or centrifugal separator sand, is often considered a pre-filter for the cleaning of liquids or very sandy or saturated with water solid particles such as gravel, or typically particles heavier than water.

It is usually mounted before a filtration station itself.

No special maintenance, filter water from: - rivers - ponds - wells

The percentages of solid deposits eliminated also reaches 90%.

It ensures filtration of small solid particles such as:

sand  
gravel

Optional (on request):

it is possible to install in output of the filtered liquid a relief valve or a safety valve

it is possible to automate the unloading of the waste output via a hydraulic valve or motor, controlled by a control unit.

example: Hydrocyclone separator Auto 2 "

1 EFFECTIVE LIQUID FILTER

2 OUTPUT LIQUID FILTERED

3 DRAIN WASTE

4 UNIT

5 FILTER SAFETY

6 GAUGE,

| Item-Nr:    | Description:                                                                 |
|-------------|------------------------------------------------------------------------------|
| IRS60025SSC | Hydrocyclone IRSS in stainless steel AISI 316 1" - 5-10 m3/h                 |
| IRS60040SSC | Hydrocyclone IRSS in stainless steel AISI 316 1½" - 10-18 m3/h               |
| IRS60050SST | Hydrocyclone IRSS in stainless steel AISI 316 2" male thread- 18-25 m3/h     |
| IRS60065SST | Hydrocyclone IRSS in stainless steel AISI 316 2½" male thread- 25-35 m3/h    |
| IRS60080SST | Hydrocyclone IRSS in stainless steel AISI 316 3" male thrad- 35-65 m3/h      |
| IRS60100SST | Hydrocyclone IRSS in stainless steel AISI 316 4" male thrad- 65-110 m3/h     |
| IRS60125SST | Hydrocyclone IRSS in stainless steel AISI 316 5" Flange DN125 - 110-150 m3/h |
| IRS6FLDN032 | DN32 flange for IRSS Hydrocyclone in AISI 316 stainless steel                |
| IRS6FLDN050 | DN50 flange for IRSS Hydrocyclone in AISI 316 stainless steel                |
| IRS6FLDN065 | DN65 flange for IRS6 Hydrocyclone in AISI 316 stainless steel                |
| IRS6FLDN080 | DN80 flange for IRSS Hydrocyclone in AISI 316 stainless steel                |
| IRS6FLDN100 | DN100 flange for IRSS Hydrocyclone in AISI 316 stainless steel               |
| IRS6FLDN125 | DN125 flange for IRSS Hydrocyclone in AISI 316 stainless steel               |



## CONTROL VALVES FOR SOFTENING AND FILTRATION

CLACK VALVES - APEX EZ-GZ-TZ-MZ SERIES VALVES - MANUAL HEADS - PLASTIC DIAPHRAGM VALVES -  
HYDROPNEUMATIC VALVES IN CAST IRON - CHLORINE GENERATORS FOR WATER SOFTENERS - CSG  
"PULSE" SERIES VALVES

## CLACK VALVES

### VA-CL WS1CI

### Clack valves WS1CI metered 1"



#### VA-CL WS1CI Metered

1" Control Valve with Integrated Hardness Mixer on the Valve Body (also available without mixing). Available in downflow or upflow versions. Stores system settings and operational data in non-volatile memory. Available configurations are: Softener and Filter (volumetric - timed). The display on the front panel shows the current time, days remaining until the next regeneration, remaining volume, and instantaneous flow rate. It is possible to choose up to four methods to initiate regeneration: immediate volume, delayed volume, delayed time, or by  $\Delta P$ . In the case of volume-based regeneration, the forced regeneration function from 1 to 28 days can be utilized.

#### Accessories included in the softening configuration

|       |               |                                                  |
|-------|---------------|--------------------------------------------------|
| 1 pc  | V3162-XX      | DLFC 3/4"                                        |
| 1 pc  | V3190-XX      | DLFC 1" (1700 and filter with 1" drain)          |
| 1 pc  | V3007-06      | WS1 IN/OUT Straight Fitting 1"                   |
| 1 pc  | V3008-02      | Drain F. 1" Straight (1700 - filter w/ 1" drain) |
| 1 pc  | V3192         | Drain Fitting Ring 3/4" M                        |
| 1 pc  | PKP10TS8-BULK | Polytube insert 5/8"                             |
| 1 pc  | D06TU2192527  | Upper Basket 1" 1.05" Ø27                        |
| 1 pc  | D06TL2102527  | Lower Basket 1" Ø27 H120 mm                      |
| 1 pc  | BTAC1600115   | Air-check 1600 3/8" H 115 cm                     |
| 1 pc  | BTAC1700110   | Air-check 1700 1/2", tube Ø27 H 110 cm           |
| 1 pc  | V3186EU-06    | Transformer 220-240V 15 V EU                     |
| 1.1 m | PVC027085     | PVC Tube Ø 27 mm white non-toxic                 |

#### Accessories included in the filtration configuration

|       |               |                                              |
|-------|---------------|----------------------------------------------|
| 1 pc  | V3162-XX      | DLFC Drain Line Flow Control 3/4"            |
| 1 pc  | V3190-XX      | DLFC Drain Line Flow Control 1"              |
| 1 pc  | V3007-06      | WS1 IN/OUT Straight Fitting 1"               |
| 1 pc  | V3008-02      | Drain Fitting 1" Straight (1" drain version) |
| 1 pc  | V3192         | Drain Fitting Ring 19.1 mm - 3/4" M WS1      |
| 1 pc  | PKP10TS8-BULK | Polytube insert 5/8"                         |
| 1 pc  | D06TU2192527  | Upper Basket 1" 1.05" Ø27                    |
| 1 pc  | D06TL2102527  | Lower Basket 1" Ø27 H120mm                   |
| 1 pc  | V3186EU-06    | Transformer 220-240V 15 V EU                 |
| 1.1 m | PVC027085     | PVC Tube Ø 27 mm white non-toxic             |

| Item-Nr:     | Description:                                                                                    |
|--------------|-------------------------------------------------------------------------------------------------|
| V1CIBMZ-03   | Clack WS1CI backwash only filter metered control valve without accessories                      |
| V1CIBTZ-03   | Clack WS1CI FILTER backwash only filter time controlled valve without accessories               |
| V1CID--03A   | Control valve Clack WS1CI 1600 electr.metered downflow w/accessories (No mix)                   |
| V1CID--03B   | Control valve Clack WS1CI 1700 electr.metered downflow w/accessories (No mix)                   |
| V1CIDM--03   | Clack WS1CI downflow NO MIX Without mixing valve NO accessories (Choose injector A-B-C-D-E-F-G) |
| V1CIDM--03A  | Control valve Clack WS1CI 1600 meter downflow w/accessories                                     |
| V1CIDM--03B  | Control valve Clack WS1CI 1700 meter downflow w/accessories                                     |
| V1CIDM--03FA | Control valve Clack WS1CI Filter 3/4" drain fitting downflow w/accessories                      |
| V1CIDM--03FB | Control valve Clack WS1CI Filter 1" drain fitting downflow w/accessories                        |
| V1CIDM-M03   | Clack WS1CI downflow MIX with mixing valve NO accessories (Choose injector A-B-C-D-E-F-G)       |
| V1CIUM--03A  | Control valve Clack WS1CI 1600 meter upflow w/accessories                                       |
| V1CIUM--03B  | Control valve Clack WS1CI 1700 meter upflow w/accessories                                       |
| V1CIUM--M03  | Clack WS1CI upflow MIX with mixing valve NO accessories (Choose injector A-B-C-D-E-F-G)         |



## VA-CL WS1TC

## Clack valves WS1TC time controlled 1"



### VA-CL WS1TC Simplified Time controlled

1" Control Valve with Integrated Hardness Mixer on the Valve Body (also available without mixing). Available in downflow or upflow versions. Stores system settings and operational data in non-volatile memory. Available configurations are: Softener and Filter (volumetric - timed). The display on the front panel shows the current time, days remaining until the next regeneration, remaining volume, and instantaneous flow rate. It is possible to choose up to four methods to initiate regeneration: immediate volume, delayed volume, delayed time, or by  $\Delta P$ . In the case of volume-based regeneration, the forced regeneration function from 1 to 28 days can be utilized.

### Accessories included in the softening configuration

|       |               |                                                  |
|-------|---------------|--------------------------------------------------|
| 1 pc  | V3162-XX      | DLFC 3/4"                                        |
| 1 pc  | V3190-XX      | DLFC 1" (1700 and Filter with 1" drain)          |
| 1 pc  | V3007-06      | WS1 IN/OUT Straight Fitting 1"                   |
| 1 pc  | V3008-02      | Drain Fitt. 1" Straight (1700 & Filter 1" drain) |
| 1 pc  | V3192         | Drain Fitting Ring 19.1mm - 3/4" M               |
| 1 pc  | PKP10TS8-BULK | Polytube insert 5/8"                             |
| 1 pc  | D06TU2192527  | Upper basket 1" 1.05" Ø27                        |
| 1 pc  | D06TL2102527  | Lower basket 1" Ø27 H120 mm                      |
| 1 pc  | BTAC1600115   | Air-check 1600 3/8" H 115 cm                     |
| 1 pc  | BTAC1700110   | Air-check 1700 1/2", tube Ø 27 H 110 cm          |
| 1 pc  | V3186EU-06    | Transformer 220-240V 15 V EU                     |
| 1.1 m | PVC027085     | PVC Tube Ø 27 mm white non-toxic                 |

### Accessories included in the filtration configuration

|       |               |                                              |
|-------|---------------|----------------------------------------------|
| 1 pc  | V3162-XX      | DLFC Drain Line Flow Control 3/4"            |
| 1 pc  | V3190-XX      | DLFC Drain Line Flow Control 1"              |
| 1 pc  | V3007-06      | WS1 IN/OUT Straight Fitting 1"               |
| 1 pc  | V3008-02      | Drain Fitting 1" Straight (1" drain version) |
| 1 pc  | V3192         | Drain Fitting Ring 3/4" M WS1                |
| 1 pc  | PKP10TS8-BULK | Polytube insert 5/8"                         |
| 1 pc  | D06TU2192527  | Upper basket 1" 1.05" Ø27                    |
| 1 pc  | D06TL2102527  | Lower basket 1" Ø27 H120 mm                  |
| 1 pc  | V3186EU-06    | Transformer WS1 V3186EU 220-240V 15 V EU     |
| 1.1 m | PVC027085     | PVC Tube Ø 27 mm white non-toxic             |

| Item-Nr:   | Description:                                                              |
|------------|---------------------------------------------------------------------------|
| V1TCBTZ-03 | Clack WS1TC 1" FILTER Downflow only filter time controlled NO accessories |
| V1TCDT-M03 | Clack WS1TC 1" Downflow time controlled NO accessories                    |
| V1TCM-03A  | Control valve Clack WS1TC Filter 3/4" time downflow w/accessories         |
| V1TCM-03A  | Control valve Clack WS1TC 1600 time downflow w/accessories                |
| V1TCM-03B  | Control valve Clack WS1TCI 1700 time downflow w/accessories               |
| V1TCM-03B  | Control valve Clack WS1TC Filter 1" time downflow w/accessories           |

## VA-CL WS1.25CI - 1,25" in/out volumetrica

Clack WS1.25CI metered 1,25"



# Clack

### VA-CL WS1.25CI - 1.25" in/out metered

1 1/4" control valve with on-board hardness mixer.

Available in co-current(downflow) or counter-current (upflow) version.Stores system settings and operating data in non-volatile memory.

The available configurations are: Softener and Filter (volumetric "timed"). The display on the front panel shows the time of day, the days remaining until the next regeneration, the remaining volume and the instantaneous flow rate.

It is possible to choose up to four methods to start the regeneration: immediate volume, delayed volume, delayed time or by ΔP.. If you choose volume regeneration, you can use the forcing function from 1 to 28 days.

### Accessories Included in the Configuration for the Water Softener:

|                    |                                                 |
|--------------------|-------------------------------------------------|
| 1 pc V3162-XXX     | DLFC 3/4"                                       |
| 1 pc V3190-XXX     | DLFC 1" (version 1700 - Filter w. 1" drain)     |
| 1 pc V3007-08      | WS1 IN/OUT Straight Connector 1"                |
| 1 pc V3008-02      | Drain Fitt. 1"Straight (1700 & Filter 1" drain) |
| 1 pc V3192         | Drain Connector Ring - 3/4" M                   |
| 1 pc PKP10TS8-BULK | Polytube Insert 5/8"                            |
| 1 pc D1203-03      | Upper Basket 1 1/4" Ø32 Clack                   |
| 1 pc D1238         | Lower Basket 1 1/4" Ø32 Clack                   |
| 1 pc BTAC1600115   | Air-check 1600 3/8" tube 3/8" H 115 cm          |
| 1 pc BTAC1700110   | Air-check 1700 1/2" tube Ø 27 H 110 cm          |
| 1 pc V3186EU-06    | Transformer 220-240V 15 V EU                    |
| 1.65 m PVC032      | PVC Pipe Ø 32 mm T.EN1452-2 PN10                |

### Accessories Included in the Configuration for Filtration:

|                    |                                                    |
|--------------------|----------------------------------------------------|
| 1 pc V3162-XXX     | DLFC 3/4"                                          |
| 1 pc V3190-XXX     | DLFC 1" (for 1" drain version)                     |
| 1 pc V3007-06      | WS1 IN/OUT Straight Connector 1"                   |
| 1 pc V3008-02      | Straight Drain Connector 1" (for 1" drain version) |
| 1 pc V3192         | Drain Connector Ring - 3/4" M Clack WS1            |
| 1 pc PKP10TS8-BULK | Polytube Insert 5/8"                               |
| 1 pc D06TU2192527  | Upper basket 1" 1,05" Ø27                          |
| 1 pc D06TL2102527  | Lower basket 1" Ø27 H 120 mm                       |
| 1 pc V3186EU-06    | Transformer 220-240V 15 V EU                       |
| 1.65 m PVC032      | PVC Pipe Ø 32 mm T.EN1452-2 PN10                   |

| Item-Nr:        | Description:                                                                           |
|-----------------|----------------------------------------------------------------------------------------|
| V1.25CIDM--03A  | Control valve Clack WS1.25CI 1600 meter downflow w/accessories                         |
| V1.25CIDM--03B  | Control valve Clack WS1.25CI 1700 meter downflow w/accessories                         |
| V1.25CIDM--03FA | Control valve Clack WS1.25CI Filter 3/4" drain downflow w/accessories                  |
| V1.25CIDM--03FB | Control valve Clack WS1.25CI Filter 1" drain downflow w/accessories                    |
| V125CIBMZ-08    | Clack WS1.25CI backwash only filter metered control valve NO accessories               |
| V125CIDM--M08   | Clack WS1.25CI downflow MIX with mixing valve NO accessories (Choose injector F-H-I-K) |
| V125CIUMF-M08A  | Control valve Clack WS1.25CI 1600 meter upflow w/accessories                           |
| V125CIUMF-M08B  | Control valve Clack WS1.25CI 1700 meter upflow w/accessories                           |
| V125CIUM--M08   | Clack WS1.25CI upflow MIX with mixing valve NO accessories (Choose injector F-H-I-K)   |

## VA-CL WS1.25TC - 1,25" in/out semplificata a tempo

Clack WS1.25TC 1,25" time inlet/outlet 1,25"



### VA-CL WS1.25TC Simplified Time controlled 1.25"

Control Valve with Integrated Hardness Mixer on the Valve Body (also available without mixing).

Available in downflow or upflow versions. Stores system settings and operational data in non-volatile memory. Available configurations are: Softener and Filter (volumetric - timed).

The display on the front panel shows the current time, days remaining until the next regeneration, remaining volume, and instantaneous flow rate. It is possible to choose up to four methods to initiate regeneration: immediate volume, delayed volume, delayed time, or by  $\Delta P$ . I

n the case of volume-based regeneration, the forced regeneration function from 1 to 28 days can be utilized.

### Accessories Included in the Configuration for the Water Softener:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| 1 pc V3162-XXX     | DLFC 3/4"                                        |
| 1 pc V3190-XXX     | DLFC 1" (1700/Filter 1 1/4" drain)               |
| 1 pc V3007-08      | WS1 IN/OUT Straight Connector 1"                 |
| 1 pc V3008-02      | Drain Fitt. 1" Straight (1700 & Filter 1" drain) |
| 1 pc V3192         | Drain Connector Ring 19.1 mm - 3/4" M Clack      |
| 1 pc PKP10TS8-BULK | Polytube Insert 5/8"                             |
| 1 pc D1203-03      | Upper basket 1 1/4" Ø32 Clack                    |
| 1 pc D1238         | Lower Basket 1 1/4" Ø32 Clack                    |
| 1 pc BTAC1600115   | Air-check 1600 3/8" tube 3/8" H 115 cm           |
| 1 pc BTAC1700110   | Air-check 1700 1/2" tube Ø 27 H 110 cm           |
| 1 pc V3186EU-06    | Transformer 220-240V 15 V EU                     |
| 1.65 m PVC032      | PVC Pipe Ø 32 mm T.EN1452-2 PN10                 |

### Accessories Included in the Configuration for Filtration:

|                    |                                                  |
|--------------------|--------------------------------------------------|
| 1 pc V3162-XXX     | DLFC 3/4"                                        |
| 1 pc V3190-XXX     | DLFC 1" (for 1" drain version)                   |
| 1 pc V3007-06      | WS1 IN/OUT Straight Connector 1"                 |
| 1 pc V3008-02      | Drain Fitt. 1" Straight (1700 & Filter 1" drain) |
| 1 pc V3192         | Drain Connector Ring - 3/4" M                    |
| 1 pc PKP10TS8-BULK | Polytube insert 5/8"                             |
| 1 pc D06TU2192527  | Upper basket 1" 1,05" Ø 27                       |
| 1 pc D06TL2102527  | Lower basket 1" Ø27 H 120 mm                     |
| 1 pc V3186EU-06    | Transformer 220-240V 15 V EU                     |
| 1.65 m PVC032      | PVC Pipe Ø 32 mm T.EN1452-2 PN10                 |

| Item-Nr:        | Description:                                                                             |
|-----------------|------------------------------------------------------------------------------------------|
| V1.25TCDM--03A  | Control valve Clack WS1.25TC 1600 time downflow w/accessories                            |
| V1.25TCDM--03B  | Control valve Clack WS1.25TC 1700 time downflow w/accessories                            |
| V1.25TCDM--03FA | Control valve Clack WS1.25TC Filter 3/4" drain downflow w/accessories                    |
| V1.25TCDM--03FB | Control valve Clack WS1.25TC Filter 1" drain downflow w/accessories                      |
| V125TCBTZ-08    | Clack WS1.25TC 1 1/4" FILTER Downflow only filter time controlled NO accessories         |
| V125TCDT--M08   | Clack WS1.25TC 1 1/4" DF time controlled with mix NO accessories (Choose injector E-F-G) |

## VA-CL WS1.5CI - 1,5" in/out Clack valves WS1.5CI 1,5" in brass



# Clack

### VA-CL WS1.5 - 1.5" brass in/out Control Valve

1.5" control valve with top mount, suitable for commercial/industrial applications. Stores system configuration and operational data in non-volatile memory. The display on the front panel shows the current time, days remaining until the next regeneration, remaining volume, and instantaneous flow rate.

You can choose up to four methods to initiate regeneration: immediate volume, delayed volume, delayed time, or by  $\Delta P$ . If you choose volume-based regeneration, you can utilize the forced regeneration function from 1 to 28 days.

### Accessories included in the softener configuration:

|                     |                                                  |
|---------------------|--------------------------------------------------|
| -1 pc V3040BSPT     | Meter Kit M/F BSPT (for volumetric version)      |
| -1 pc V3162-XXX     | DLFC Drain Line Flow Control 3/4" (1600)         |
| -1 pc V3190-XXX     | DLFC Drain Line Flow Control 1" (1700)           |
| -1 pc V3008-02      | Drain Fitt. 1" Straight (1700 & Filter 1" drain) |
| -1 pc V3192         | WS1 Nut 3/4" Drain Elbow                         |
| -1 pc PKP10TS8-BULK | Polytube insert 5/8"                             |
| -1 pc DIFFSA050ST   | Upper Diffuser (Upper Basket) 1 1/2" Ø50         |
| -1 pc DIFFA050ST    | Lower Diffuser (Lower Basket) 1 1/2" Ø50         |
| -1 pc BTAC1600115   | Air-check 1600 3/8" tube 3/8" H 115 cm           |
| -1 pc BTAC1700110   | Air-check 1700 1/2" tube Ø 27 H 110 cm           |
| -1 pc V3186EU-06    | Transformer 220-240V 15 V EU                     |
| -1.65 m TPVC050     | PVC Pipe Ø50 mm T.EN1452-2 PN10                  |

### Accessories included in the filtration configuration:

|                   |                                                  |
|-------------------|--------------------------------------------------|
| -1 pc V3190-XXX   | DLFC Drain Line Flow Control 1" (1700)           |
| -1 pc V3008-02    | Drain Fitt. 1" Straight (1700 & Filter 1" drain) |
| -1 pc DIFFSA050ST | Upper Diffuser (Upper Basket) 1 1/2" Ø50         |
| -1 pc DIFFA050ST  | Lower Diffuser (Lower Basket) 1 1/2" Ø50         |
| -1 pc V3186EU-06  | Clack WS1 Transformer 220-240V 15 V EU           |
| -1.65 m TPVC050   | PVC Pipe Ø50 mm T.EN1452-2 PN10                  |

| Item-Nr:    | Description:                                                                    |
|-------------|---------------------------------------------------------------------------------|
| V15CIUM--05 | Clack WS1.5CI 1 1/2" Upflow NO accessories (Choose injector B-D-F-G)            |
| V1.5CIAM    | Control valve Clack WS1.5CI 1600 meter downflow w/accessories                   |
| V1.5CIAT    | Control valve Clack WS1.5CI 1600 time downflow w/accessories                    |
| V1.5CIBM    | Control valve Clack WS1.5CI 1700 meter downflow w/accessories                   |
| V1.5CIBT    | Control valve Clack WS1.5CI 1700 time downflow w/accessories                    |
| V1.5CIFF    | Control valve Clack WS1.5CI Filter downflow w/accessories                       |
| V15CIBMZ-05 | Clack WS1.5CI FILTER backwash only filter metered control valve NO accessories  |
| V15CIBTZ-05 | Clack WS1.5CI FILTER backwash only filter time clock no meter NO accessories    |
| V15CIDM--05 | Clack WS1.5CI 1 1/2" downflow NO accessories (Choose injector B-D-F-G)          |
| V15CIDT--05 | Clack WS1.5CI 1 1/2" downflow less meter NO accessories (Choose injector D-F-G) |

## VA-CL WS1.5-P CI - 1,5" in/out

Clack valves WS1.5-P CI 1,5" in plastic



# Clack

### VA-CL WS1.5PCI - 1.5" In/Out Plastic

1.5" control valve made of fiberglass-reinforced plastic with top mount, suitable for commercial/industrial applications. Stores system settings and operational data in non-volatile memory. Available configurations include: Softener and Filter (volumetric – timed).

The display on the front panel shows the current time, days remaining until the next regeneration, remaining volume, and instantaneous flow rate. You can choose up to four methods to start regeneration: immediate volume, delayed volume, delayed time, or by  $\Delta P$ . If volume-based regeneration is chosen, you can utilize the forced regeneration function from 1 to 28 days.

### Accessories Included in the Softener Configuration:

- |                    |                                          |
|--------------------|------------------------------------------|
| -1 pc V3045BSPT    | WS1.5 M/F BSPT Meter Kit with 28" Cable  |
| -1 pc V4430-02     | QC to BSPT Fittings                      |
| -1 pc D1199-11     | WS1.5PCI Under Nozzle Diffuser           |
| -1 pc V4430-04BSPT | 1" Drain Fitting                         |
| -1 pc V3190-XXX    | DLFC Drain Line Flow Control 1" (1700)   |
| -1 pc V3162-XXX    | DLFC Drain Line Flow Control 3/4" (1600) |
| -1 pc DIFFA050ST   | Lower Basket Diffuser 1½" Ø50            |
| -1 pc BTAC1600115  | Air-check 1600 3/8" tube 3/8" H 115 cm   |
| -1 pc BTAC1700110  | Air-check 1700 1/2" tube Ø 27 H 110 cm   |
| -1 pc V3186EU-06   | Clack Valve Transformer 220-240V 15V EU  |
| -1 pc TPVC050      | PVC Pipe Ø 50 mm T.EN1452-2 PN10         |

### Accessories Included in the Filter Configuration:

- |                    |                                         |
|--------------------|-----------------------------------------|
| -1 pc V4430-02     | QC to BSPT Fittings                     |
| -1 pc D1199-11     | WS1.5PCI Under Nozzle Diffuser          |
| -1 pc V4430-04BSPT | 1" Drain Fitting                        |
| -1 pc V3190-XXX    | DLFC Drain Line Flow Control 1"         |
| -1 pc DIFFA050ST   | Lower Basket Diffuser 1½" Ø50           |
| -1 pc V3186EU-06   | Clack Valve Transformer 220-240V 15V EU |
| -1 pc TPVC050      | PVC Pipe Ø 50 mm T.EN1452-2 PN10        |

| Item-Nr:        | Description:                                                                            |
|-----------------|-----------------------------------------------------------------------------------------|
| VP15CIBTZ-05    | Clack WS1.5PCI FILTER backwash only filter time no meter NO accessories                 |
| VP15CIDMX-05K16 | Clack valve WS1.52PCI plastic body metered downflow 1600 inlet/outlet conn. 1,5"        |
| VP15CIDMX-05K17 | Clack valve WS1.52PCI plastic body metered downflow 1700 inlet/outlet conn. 1,5"        |
| VP15CIDT--05    | Clack WS1.5PCI 1½" downflow less meter NO accessories (Choose injector D-F-G)           |
| VP15CIDTF-05    | Control valve Clack WS1.5CI plastic body FILTER version inlet/outlet conn. 1,5"         |
| VP15CIDTX-05K16 | Clack valve WS1.5PCI plastic body time controlled downflow 1600 inlet/outlet conn. 1.5" |
| VP15CIDTX-05K17 | Clack valve WS1.5PCI plastic body time controlled downflow 1700 inlet/outlet conn. 1.5" |

## VA-CL WS2CI - 2" in/out

## Clack valves WS2CI - 2" in brass



### VA-CL WS2CI - 2" in/out in ottone

Control Valve with Top Mount, Suitable for Commercial/Industrial Applications. Stores system configuration and operational data in non-volatile memory. The display on the front panel shows the current time, days remaining until the next regeneration, remaining volume, and instantaneous flow rate.

You can choose up to four methods to initiate regeneration: immediate volume, delayed volume, delayed time, or by  $\Delta P$ . If you choose volume-based regeneration, you can utilize the forced regeneration function from 1 to 28 days.

### Included Accessories for Softener Configuration:

|                     |                                            |
|---------------------|--------------------------------------------|
| -1 pc V3094BSPT     | WS2 Meter Kit M/F (for volumetric version) |
| -1 pc V3162-XXX     | DLFC Drain Line Flow Control 3/4" (1600)   |
| -1 pc V3190-XXX     | DLFC Drain Line Flow Control 1" (1700)     |
| -1 pc V3048BSPT     | KIT METER M/F BSPT WITH 28 CABLE           |
| -1 pc V3008-05      | 1" Drain Fitting (1700)                    |
| -1 pc V3192         | WS1 Nut 3/4" Drain Elbow                   |
| -1 pc PKP10TS8-BULK | Polytube insert 5/8"                       |
| -1 pc DIFFSA050ST   | Upper Diffuser (Upper Basket) 1 1/2" Ø50   |
| -1 pc DIFFA050ST    | Lower Diffuser (Lower Basket) 1 1/2" Ø50   |
| -1 pc BTAC1600115   | Air-check 1600 3/8" tube 3/8" H 115 cm     |
| -1 pc BTAC1700110   | Air-check 1700 1/2" tube Ø 27 H 110 cm     |
| -1 pc V3186EU-06    | Transformer 220-240V 15 V EU               |
| -1.65 m TPVC050     | PVC Pipe Ø50 mm T.EN1452-2 PN10            |

### Included Accessories for Filtration Configuration:

|                   |                                          |
|-------------------|------------------------------------------|
| -1 pc V3190-XXX   | DLFC Drain Line Flow Control 1" (1700)   |
| -1 pc V3008-05    | 1" Drain Fitting                         |
| -1 pc DIFFSA050ST | Upper Diffuser (Upper Basket) 1 1/2" Ø50 |
| -1 pc DIFFA050ST  | Lower Diffuser (Lower Basket) 1 1/2" Ø50 |
| -1 pc V3186EU-06  | Transformer 220-240V 15 V EU             |
| -1.65 m TPVC050   | PVC Pipe Ø50 mm T.EN1452-2 PN10          |

| Item-Nr:   | Description:                                                                     |
|------------|----------------------------------------------------------------------------------|
| V2CIAT     | Control valve Clack WS2CI 1600 2" time downflow w/accessories                    |
| V2CIBMZ-05 | Clack WS2CI 2" FILTER backwash only filter metered control valve NO accessories  |
| V2CIBT     | Control valve Clack WS2CI 1700 2" time downflow w/accessories                    |
| V2CIBTZ-05 | Clack WS2 2" FILTER timed backwash only no meter NO accessories                  |
| V2CIDMA-05 | Clack WS2CI 2" downflow NO accessories (Choose injector A-B-C-D-E-F-G)           |
| V2CIDMA-05 | Control valve Clack WS2CI 1700 2" meter downflow w/accessories                   |
| V2CIDMD-05 | Control valve Clack WS2CI 1600 2" meter downflow w/accessories                   |
| V2CIDTA-05 | Clack WS2CI 2"downflow less meter NO accessories (Choose injector A-B-C-D-E-F-G) |
| V2CIFI     | Control valve Clack WS2CI Filter 2" downflow w/accessories                       |
| V2CIUMA-05 | Clack WS2CI 2" Upflow NO accessories (Choose injector A-B-C-D-E-F-G)             |



## VA-CL WS2-P CI - 2" in/out Clack valves WS2-P CI 2" in plastic



# Clack

### VA-CL WS2PCI

2" control valve in fiberglass reinforced plastic material, with top mount, suitable for commercial/industrial applications.

Available configurations are:

- Softener (volumetric - timed)
- Filter (timed).

The display on the front panel shows the time of day, the days remaining until the next regeneration, the remaining volume, and the instantaneous flow rate. It is possible to choose up to four methods to start the regeneration: immediate volume, delayed volume, delayed time, or  $\Delta P$ . If volume regeneration is chosen, it is possible to use the forced regeneration function from 1 to 28 days.

Accessories included in the softening configuration:

|      |              |                                          |
|------|--------------|------------------------------------------|
| 1 pc | V4460-02     | Straight QC to BSPT WS2 PCI fittings     |
| 1 pc | D1199-11     | Upper basket diffuser (50mm)             |
| 1 pc | V4460-07BSPT | 1" drain elbow for Clack WS2P 2" plastic |
| 1 pc | V3190-XXX    | 1" D.L.F.C.                              |
| 1 pc | DIFFA050ST   | Lower diffuser - lower basket 1½" Ø50    |
| 1 pc | BTAC1600115  | Air-check 1600 3/8" tube 3/8" H 115 cm   |
| 1 pc | BTAC1700110  | Air-check 1700 1/2" tube Ø 27 H 110 cm   |
| 1 pc | V3186EU-06   | Clack transformer 220-240v 15V EU        |
| 1 pc | TPVC050      | PVC pipe Ø 50 MM T.EN1452-2 PN10         |

Accessories included in the filtration configuration:

|      |              |                                          |
|------|--------------|------------------------------------------|
| 1 pc | V4460-02     | Straight QC to BSPT WS2 PCI fittings     |
| 1 pc | D1199-11     | Upper basket diffuser (50mm riser)       |
| 1 pc | V4460-07BSPT | 1" drain elbow for Clack WS2P 2" plastic |
| 1 pc | V3190-XXX    | 1" D.L.F.C.                              |
| 1 pc | V3048BSPT    | WS2PCI meter kit m/f bspt with 28" cable |
| 1 pc | DIFFA050ST   | Lower basket diffuser 1½" Ø50            |
| 1 pc | V3186EU-06   | Clack transformer 220-240v 15V EU        |
| 1 pc | TPVC050      | PVC pipe Ø 50 MM PN10                    |

| Item-Nr:       | Description:                                                                        |
|----------------|-------------------------------------------------------------------------------------|
| VP2CIDMX-05K16 | Clack valve WS2PCI plastic body metered downflow 1600 inlet/outlet conn. 2"         |
| VP2CIDMX-05K17 | Clack valve WS2PCI plastic body metered downflow 1700 inlet/outlet conn. 2"         |
| VP2CIDT-05     | Clack valve WS2PCI 2" plastic body without meter NO accessories                     |
| VP2CIDTF-05    | Control valve Clack WS2CI plastic body FILTER version inlet/outlet conn.2"          |
| VP2CIDTX-05K16 | Clack valve WS2PCI plastic body time controlled downflow 1600 inlet/outlet conn. 2" |
| VP2CIDTX-05K17 | Clack valve WS2PCI plastic body time controlled downflow 1700 inlet/outlet conn. 2" |

## VA-CL WS2CI/QC - 2" in/out Clack valves WS2CI/QC - 2" in brass



# Clack

### VA-CL WS2CI/QC - 2" In/Out in Brass

2" QC control valve with the option for top or side mounting, suitable for commercial/industrial applications. It stores system settings and operational data in non-volatile memory.

The display on the front panel shows the current time, the days remaining until the next regeneration, the remaining volume, and the instantaneous flow rate.

You can choose up to four methods to initiate regeneration: immediate volume, delayed volume, delayed time, or  $\Delta P$ . If you choose volume-based regeneration, you can utilize the forced regeneration function from 1 to 28 days.

### Accessories included in the Softener Configuration:

- 1pc V3094BSPT WS2 Meter Kit M/F (for volumetric version)
- 1pc V3190-XXX DLFC Drain Line Flow Control 1" (1700)
- 1pc V3008-05 Drain Fitting 1" (1700)
- 1pc BTAC1700110 Air-check 1700 1/2" tube Ø 27 H 110 cm
- 1pc V3186EU-06 Clack Transformer 220-240V 15V EU
- 1pc DFSV063F234 Upper Basket Diffuser Ø63 (top mount version)

### Accessories included in the Filter Configuration:

- 1pc V3190-XXX DLFC Drain Line Flow Control 1"
- 1pc V3080BSPT Drain Fitting 1 1/2"
- 1pc DFSV063F234 Upper Basket Diffuser Ø63 (top mount version)
- 1pc V3186EU-06 Clack Transformer 220-240V 15V EU

| Item-Nr:    | Description:                                                                                     |
|-------------|--------------------------------------------------------------------------------------------------|
| V2CIBMZ-05  | Clack WS2/QC 2" FILTER backwash only filter metered control valve NO accessories                 |
| V2CIBTZ-18  | Clack WS2/QC 2" FILTER backwash only filter time control valve NO accessories                    |
| V2CIDMA-18  | Clack WS2CI/QC 2" downflow NO accessories (Choose injector A-B-C-D-E-F-G)                        |
| V2CIDTA-18  | Clack WS2CI/QC 2"downflow less meter NO accessories (Choose injector A-B-C-D-E-F-G)              |
| V2CIQCBMSM  | Control valve Clack WS2CI QC version 1700 in/out port 2" SIDE MOUNT meter downflow w/accessories |
| V2CIQCBMTM  | Control valve Clack WS2CI QC version 1700 in/out port 2" TOP MOUNT meter downflow w/accessories  |
| V2CIQCBTSM  | Control valve Clack WS2CI QC version 1700 in/out port 2" SIDE MOUNT time DF w/accessories        |
| V2CIQCBTTM  | Control valve Clack WS2CI QC version 1700 in/out port 2" TOP MOUNT time DF w/accessories         |
| V2CIQCFTSM  | Control valve Clack WS2CI QC version FILTER in/out port 2" SIDE MOUNT time controlled downflow   |
| V2CIQCFTTM  | Control valve Clack WS2CI QC version FILTER in/out port 2" TOP MOUNT time controlled downflow    |
| V2CIQUPBMSM | Control valve Clack WS2CI QC version 1700 in/out port 2" SIDE MOUNT metered upflow w/accessories |
| V2CIQUPBMTM | Control valve Clack WS2CI QC version 1700 in/out port 2" TOP MOUNT metered upflow w/accessories  |
| V2CIUM--18  | Clack WS2CI/QC 2" Upflow NO accessories (Choose injector B-D-F-G)                                |



## VA-CL WS3 3" in/out

## Clack valves WS3 - 3" in/out port



# Clack

3" control valve with brass valve body.

Can be mounted on top or side of the tank; suitable for commercial and industrial applications. The available configurations are: Softener (volumetric - timed) and Filter (timed); in both cases, top and side mounting is possible. WS3 features a solid-state microprocessor with a removable front POD for easy access. The display on the front panel shows the time of day, days remaining until the next regeneration, remaining volume, and instantaneous flow rate.

You can choose from up to four methods to initiate regeneration: immediate volume, delayed volume, delayed time, or  $\Delta P$ . If volume regeneration is chosen, the 1 to 28-day override feature can be utilized.

When using the WS3 Control Valve, one of the base assemblies listed below must be ordered to complete the control valve.

Accessories included in the softening configuration:

|       |              |                                             |
|-------|--------------|---------------------------------------------|
| 5 pcs | V3190-XXX    | DLFC 1" DRAIN                               |
| 1 pc  | V3764BSPT    | WS3 multi-DLFC Drain Fitting                |
| 1 pc  | V3674BSPT-02 | WS3 side mount adapter                      |
| 1 pc  | V3090        | WS3 flanged adapter (for top mount version) |
| 1 pc  | V3095BSPT    | WS3 meter (for volumetric versions)         |
| 1 pc  | V3461EU-02   | WS3 transformer                             |
| 1 pc  | BTAC1700110  | Air-check 1700 1/2" tube Ø 27 H 110 cm      |

Accessories included in the filtration configuration:

|       |              |                                             |
|-------|--------------|---------------------------------------------|
| 5 pcs | V3190-XXX    | DLFC 1" DRAIN                               |
| 1 pc  | V3764BSPT    | WS3 multi-DLFC Drain Fitting                |
| 1 pc  | V3674BSPT-02 | WS3 side mount adapter                      |
| 1 pc  | V3090        | WS3 flanged adapter (for top mount version) |
| 1 pc  | V3461EU-02   | WS3 transformer                             |

| Item-Nr:     | Description:                                                                                        |
|--------------|-----------------------------------------------------------------------------------------------------|
| V3090        | WS3 6" Flange Base Assembly                                                                         |
| V3674-02     | WS3 Side Mount Base Assembly NPT                                                                    |
| V3674BSPT-02 | WS3 Side Mount Base Assembly BSPT                                                                   |
| V3BTZ-XX     | Clack WS3 FILTER in/out port 3" backwash only filter (time clock control valve only) NO accessories |
| V3DT--XX     | Clack WS3 in/out port 3" WS3 without water meter NO accessories (Injectors A-B-C-D-E-F-G-H)         |
| V3HHFTTM     | Control valve Clack WS3 FILTER in/out port 3" TOP MOUNT time control downflow w/accessories         |
| V3HHNFTSM    | Control valve Clack WS3 FILTER in/out port 3" SIDE MOUNT time control downflow w/accessories        |
| V3HHNMMSM    | Control valve Clack WS3 in/out port 3" SIDE MOUNT meter downflow w/accessories                      |
| V3HHNMTM     | Control valve Clack WS3 in/out port 3" TOP MOUNT meter downflow w/accessories                       |
| V3HHNTSM     | Control valve Clack WS3 in/out port 3" SIDE MOUNT time control downflow w/accessories               |
| V3HHNTTM     | Control valve Clack WS3 in/out port 3" TOP MOUNT time control downflow w/accessories                |

## VA-CL WS1TT Twin Duplex -1" in/out

## Clack WS1TT Twin Alternated valve 1" in/out



### VA-CL WS1TT Twin Duplex - 1" In/Out

1" Twin Duplex alternating control valve with an integrated volumetric meter, suitable for commercial/industrial applications. It stores system configuration and operational data in non-volatile memory. The display on the front panel shows the time of day, days remaining until the next regeneration, remaining volume, and instantaneous flow rate. It is possible to choose up to four methods to initiate regeneration: immediate volume, delayed volume, delayed time, or  $\Delta P$ . If volume regeneration is selected, the 1 to 28-day override function can be utilized.

### Accessories Included :

|       |              |                                                  |
|-------|--------------|--------------------------------------------------|
| 1 pc  | V3007-06     | Straight Connector 1" Inlet/Outlet               |
| 1 pc  | V3162-XXX    | D.L.F.C. Drain Line Flow Control 3/4" (1600)     |
| 1 pc  | V3190-XXX    | D.L.F.C. Drain Line Flow Control 1" (1700)       |
| 1 pc  | V3008-02     | Drain Fitt. 1" Straight (1700 & Filter 1" drain) |
| 2 pcs | D06TU2192527 | Upper basket 1" 1,05" Ø 27                       |
| 2 pcs | D06TL2102527 | Lower basket 1" Ø 27 H 120 mm                    |
| 1 pc  | BTAC1600115  | Air-check 1600 3/8" tube 3/8" H 115 cm           |
| 1 pc  | BTAC1700110  | Air-check 1700 1/2" tube Ø 27 H 110 cm           |
| 1 pc  | V3186EU-06   | Transformer 220-240V 15V EU                      |
| 2.2 m | PVC027085    | PVC Pipe Ø 50 mm T.EN1452-2 PN10                 |

### Optional Items:

|          |                                       |
|----------|---------------------------------------|
| V4052-01 | Twin Connection Kit for 12"-21" Tanks |
|----------|---------------------------------------|

| Item-Nr:       | Description:                                          |
|----------------|-------------------------------------------------------|
| VTT1CIDXM03K16 | Clack WS1TT Twin Alternated valve 1" - Air Check 3/8" |
| VTT1CIDXM03K17 | Clack WS1TT Twin Alternated valve 1" - Air Check 1/2" |
| V4052-01       | V4052-01 Adapter for tanks 12"-21" Clack WS1TT Twin   |
| VTT1CIDME-03   | Clack WS1TT 1" Twin Alternated valve NO accessories   |

## VA-CL WS1.5TT Twin Duplex -1,5" in/out

## Clack WS1.5TT Twin Alternated valve 1,5" in/out



1.5" Twin Duplex control valve with onboard meter, suitable for commercial/industrial applications. It stores system configuration and operational data in non-volatile memory.

The display on the front panel shows the time of day, days remaining until the next regeneration, remaining volume, and instant flow rate. You can choose up to four methods to start the regeneration: immediate by volume, delayed by volume, delayed by time, or by  $\Delta P$ . Additionally, the valve can be set in both downflow and upflow modes. If you choose volume regeneration, you can use the override function from 1 to 28 days.

### Included accessories:

|      |              |                                               |
|------|--------------|-----------------------------------------------|
| 1pc  | V4430-02     | QC to BSPT straight fittings                  |
| 2pcs | D1199-11     | Upper basket diffuser (50mm t)                |
| 1pc  | V4430-04BSPT | 1" drain fitting for Clack WS15P 1.5" plastic |
| 1pc  | V3162-XXX    | D.L.F.C. drain 3/4"                           |
| 2pcs | DIFFA050ST   | Lower basket diffuser 1 1/2" Ø50              |
| 1pc  | BTAC1600115  | Air-check 1600 3/8" tube 3/8" H 115 cm        |
| 1pc  | BTAC1700110  | Air-check 1700 1/2" tube Ø 27 H 110 cm        |
| 1pc  | V3186EU-06   | Clack power adapter 220-240v 15V EU           |
| 3.8m | TPVC050      | PVC pipe Ø 50 MM T.EN1452-2 PN10              |

| Item-Nr:         | Description:                                                                            |
|------------------|-----------------------------------------------------------------------------------------|
| VT15CIDM-05      | Clack WS1.5TT 1,5" Twin Alternated control valve metered downflow/upflow no accessories |
| VTT1.5CIDXM05K16 | Clack WS1.5TT Twin Alternated control valve metered downflow/upflow 1600 1.5" (1 1/2")  |
| VTT1.5CIDXM05K17 | Clack WS1.5TT Twin Alternated control valve metered downflow/upflow 1700 1.5" (1 1/2")  |

## VA-CL MAV WS1 -1" in/out Motorized Alternated System Clack valves WS1CI 1" in/out



# Clack

WS1CI duplex kits are alternating softening systems consisting of two Clack WS1CI valves with volumetric meter controlling two tanks (one in service, the other in regeneration or standby), plus a 3-way valve (MAV) that ensures automatic switching between the units to provide continuous treated water supply.

The volumetric operation optimizes water and salt consumption, ensuring high efficiency and long-term reliability.

The systems are compatible with different installation configurations and represent the ideal solution for applications requiring continuous availability of softened water.

Accessories included in the kit:

- 2 pcs V3162-XX 3/4" drain DLFC
- 2 pcs V3190-XX 1" drain DLFC (1700)
- 2 pcs V3007-06 WS1 IN/OUT straight fitting 1"
- 2 pcs V3008-02 Drain Fitt. 1" Straight (1700 & Filter 1" drain)
- 2 pcs V3192 Clack WS1 drain fitting nut 19.1 mm - 3/4" M (1600)
- 2 pcs PKP10TS8-BULK Polytube insert 5/8"
- 2 pcs D06TU2192527 Upper basket 1" 1.05" Ø 27
- 2 pcs D06TL2102527 Lower Basket 1" Ø 27 H 120 mm
- 2 pcs BTAC1600115 Air-check 1600 3/8" tube 3/8" H 115 cm
- 2 pcs BTAC1700110 Air-check 1700 1/2" tube Ø 27 H 110 cm
- 2 pcs V3186EU-06 WS1 transformer 220-240V 15V EU
- 2.2 m PVC027085 Non-toxic white PVC tube Ø27 mm

- Version 1600: 3-Way Valve model V3069MM including elbow fitting kit - 2 pcs Code V3191-01
- Version 1700: 3-Way Valve model V3069FF including 1" male fitting kit - 2 pcs Code V3007-06

| Item-Nr:    | Description:                                                                               |
|-------------|--------------------------------------------------------------------------------------------|
| V1CIMAV-03A | Motorised Alternating System WS1CI 1600 w/two control valves and MAV 3-way motorised valve |
| V1CIMAV-03B | Motorised Alternating System WS1CI 1700 w/two control valves and MAV 3-way motorised valve |

## VA-CL MAV WS1.25 -1 1/4" Motorized Alternated System Clack valves WS1.25 1 1/4" in/out



# Clack

WS1.25CI duplex kits are alternating softening systems consisting of two Clack WS1.25CI valves with volumetric meter controlling two tanks (one in service, the other in regeneration or standby), plus a 3-way valve (MAV) that ensures automatic switching between the units to provide continuous treated water supply.

The volumetric operation optimizes water and salt consumption, ensuring high efficiency and long-term reliability.

The systems are compatible with different installation configurations and represent the ideal solution for applications requiring continuous availability of softened water.

Accessories included in the kit:

- 2 pcs V3162-XX 3/4" drain DLFC (1600)
- 2 pcs V3190-XX 1" drain DLFC (1700)
- 2 pcs V3007-08 WS1 IN/OUT straight fitting 1 1/4"
- 2 pcs V3008-02 Drain Fitt. 1" Straight (1700 & Filter 1" drain)
- 2 pcs V3192 WS1 drain fitting nut 19.1 mm - 3/4" M (1600)
- 2 pcs PKP10TS8-BULK Polytube insert 5/8"
- 2 pcs D06TU2192527 Upper basket 1" 1.05" Ø 27
- 2 pcs D06TL2102527 Lower basket 1" Ø 27 H 120 mm
- 2 pcs BTAC1600115 Air-check 1600 3/8" tube 3/8" H 115 cm
- 2 pcs BTAC1700110 Air-check 1700 1/2" tube Ø 25 H 110 cm
- 2 pcs V3186EU-06 WS1 transformer 220-240V 15V EU
- 2.2 m PVC027085 PVC tube Ø27 mm

- Version 1600: 3-Way Valve model V3069MM including elbow fitting kit - 2 pcs Code V3191-01

- Version 1700: 3-Way Valve model V3069FF including 1" male fitting kit - 2 pcs Code V3007-08

| Item-Nr:        | Description:                                                                                  |
|-----------------|-----------------------------------------------------------------------------------------------|
| V1.25CIMAV--03A | Motorised Alternating System WS1.25CI 1600 w/two control valves and MAV 3-way motorised valve |
| V1.25CIMAV--03B | Motorised Alternating System WS1.25CI 1700 w/two control valves and MAV 3-way motorised valve |

## VA-CL MAV WS1.5CI 1 1/2" Motorized Alternated System Clack valves WS1.5CI 1 1/2" in/out



# Clack

### Clack WS1.5CI Duplex Kits

WS1.5CI duplex kits are alternating softening systems consisting of two Clack WS1.5CI valves with volumetric meter controlling two tanks (one in service, the other in regeneration or standby), plus a 3-way valve (MAV) that ensures automatic switching between the units to provide continuous treated water supply. Designed for residential, commercial and industrial applications, they ensure uninterrupted service during regeneration cycles.

The volumetric operation optimizes water and salt consumption, ensuring high efficiency and long-term reliability.

The systems are compatible with different installation configurations and represent the ideal solution for applications requiring continuous availability of softened water.

### Accessories included in the kit:

- 1 pc V3071BSPT
- 1 pc V3040BSPT-15
- 2 pcs V3162-XX
- 2 pcs V3190-XX
- 2 pcs V3008-02
- 2 pcs V3192
- 2 pcs PKP10TS8-BULK
- 2 pcs DIFFSA050ST
- 2 pcs DIFFA050ST
- 2 pcs BTAC1600115
- 2 pcs BTAC1700110
- 2 pcs V3186EU-06
- 3.3 m TPVC050
- WS1.5 MAV 3-way valve
- WS1.5 meter kit with 4.5 m cable
- 3/4" drain DLFC
- 1" drain DLFC (1700)
- Drain Fitt. 1" Straight (1700 & Filter 1" drain)
- Clack WS1 3/4" M drain fitting nut (1600)
- Polytube insert 5/8"
- Upper basket 1 1/2" Ø50
- Lower basket 1 1/2" Ø50
- Air-check 1600 3/8" tube 3/8" H 115 cm
- Air-check 1700 1/2" tube Ø 27 H 110 cm
- WS1 transformer 220-240V 15V EU
- PVC tube Ø27 mm

| Item-Nr:     | Description:                                                                                |
|--------------|---------------------------------------------------------------------------------------------|
| V1.5CIMAV--A | Motorised Alternating System WS1.5CI 1600 1 1/2" w/two valves and MAV 3-way motorised valve |
| V1.5CIMAV--B | Motorised Alternating System WS1.5CI 1700 1 1/2" w/two valves and MAV 3-way motorised valve |



## VA-CL MAV WS1.5P CI 1 1/2" in/out

Motorized Alternated System Clack valves WS1.5P CI 1 1/2" in/out in plastic



# Clack

### Clack WS1.5-P CI Duplex Kits

WS1.5CI duplex kits are alternating softening systems consisting of two Clack WS1.5-P CI valves with volumetric meter controlling two tanks (one in service, the other in regeneration or standby), plus a 3-way valve (MAV) that ensures automatic switching between the units to provide continuous treated water supply.

Designed for residential, commercial and industrial applications, they ensure uninterrupted service during regeneration cycles.

The volumetric operation optimizes water and salt consumption, ensuring high efficiency and long-term reliability.

The systems are compatible with different installation configurations and represent the ideal solution for applications requiring continuous availability of softened water.

### Accessories included in the kit:

- 1 pc V3034
- 1 pc V3045BSPT-15
- 2 pcs V3162-XX
- 2 pcs V4430-04BSPT
- 3 pcs V4430-02
- 1 pc V4430-03
- 2 pcs DIFFSA050ST
- 2 pcs DIFFA050ST
- 2 pcs BTAC1600115
- 2 pcs BTAC1700110
- 2 pcs V3186EU-06
- 3.3 m TPVC050
- MAV 3-Way WS1.5-P CI
- WS1.5-P Meter Kit with 4.5 m Cable
- DLFC Drain Line Flow Control 3/4"
- 1" Drain Fitting
- WS1.5-P QC-BSPT Straight Connector
- WS1.5-P QC-QC Straight Connector
- Upper Basket 1 1/2" Ø50
- Lower Basket 1 1/2" Ø50
- Air-check 1600 3/8" tube 3/8" H 115 cm
- Air-check 1700 1/2" tube Ø 27 H 110 cm
- WS1 Transformer 220-240V 15V EU
- PVC Pipe Ø 50 mm

| Item-Nr:      | Description:                                                                                  |
|---------------|-----------------------------------------------------------------------------------------------|
| V1.5PCIMAV--A | Motorised Alternating System WS1.5P CI 1600 1 1/2" w/two valves and MAV 3-way motorised valve |
| V1.5PCIMAV--B | Motorised Alternating System WS1.5P CI 1700 1 1/2" w/two valves and MAV 3-way motorised valve |

## VA-CL MAV WS2CI 2" in/out

## Motorized Alternated System Clack valves WS2CI 2" in/out



# Clack

### Clack WS2 CI Duplex Kits

WS2 CI duplex kits are alternating softening systems consisting of two Clack WS2 CI valves with volumetric meter controlling two tanks (one in service, the other in regeneration or standby), plus a 3-way valve (MAV) that ensures automatic switching between the units to provide continuous treated water supply.

Designed for residential, commercial and industrial applications, they ensure uninterrupted service during regeneration cycles.

The volumetric operation optimizes water and salt consumption, ensuring high efficiency and long-term reliability.

The systems are compatible with different installation configurations and represent the ideal solution for applications requiring continuous availability of softened water.

### Accessories included in the kit:

- |                       |                                           |
|-----------------------|-------------------------------------------|
| - 1 pc V3076BSPT      | WS2 MAV 3-way valve                       |
| - 1 pc V3094BSPT-15   | WS2 meter kit with 4.5 m cable            |
| - 2 pcs V3162-XX      | 3/4" drain DLFC                           |
| - 2 pcs V3190-XX      | 1" drain DLFC (1700)                      |
| - 2 pcs V3008-05      | Straight drain fitting 1" (1700)          |
| - 2 pcs V3192         | Clack WS1 3/4" M drain fitting nut (1600) |
| - 2 pcs PKP10TS8-BULK | Polytube insert 5/8"                      |
| - 2 pcs DIFFSA050ST   | Upper basket 1 1/2" Ø50                   |
| - 2 pcs DIFFA050ST    | Lower Basket 1 1/2" Ø50                   |
| - 2 pcs BTAC1600115   | Air-check 1600 3/8" tube 3/8" H 115 cm    |
| - 2 pcs BTAC1700110   | Air-check 1700 1/2" tube Ø 27 H 110 cm    |
| - 2 pcs V3186EU-06    | WS1 transformer 220-240V 15V EU           |
| - 3.3 m TPVC050       | PVC tube Ø27 mm                           |

| Item-Nr:   | Description:                                                                               |
|------------|--------------------------------------------------------------------------------------------|
| V2CIMAV--A | Motorised Alternating System WS2CI 1600 w/two control valves and MAV 3-way motorised valve |
| V2CIMAV--B | Motorised Alternating System WS2CI 1700 w/two control valves and MAV 3-way motorised valve |



## VA-CL MAV WS2-P CI 2" in/out

Motorized Alternated System Clack valves WS2-P CI 2"  
in/out in plastic



# Clack

### Clack WS2-P CI Duplex Kits

WS2-P CI duplex kits are alternating softening systems consisting of two Clack WS2-P CI valves with volumetric meter controlling two tanks (one in service, the other in regeneration or standby), plus a 3-way valve (MAV) that ensures automatic switching between the units to provide continuous treated water supply. Designed for residential, commercial and industrial applications, they ensure uninterrupted service during regeneration cycles.

The volumetric operation optimizes water and salt consumption, ensuring high efficiency and long-term reliability.

The systems are compatible with different installation configurations and represent the ideal solution for applications requiring continuous availability of softened water.

### Accessories included in the kit:

- 1 pc V3036
- 1 pc V3048BSPT-15
- 2 pcs V3190-XX
- 2 pcs V4460-07BSPT
- 3 pcs V4460-02
- 1 pc V4460-03
- 2 pcs DIFFSA050ST
- 2 pcs DIFFA050ST
- 2 pcs BTAC1600115
- 2 pcs BTAC1700110
- 2 pcs V3186EU-06
- 3.3 m TPVC050
- MAV 3-Way WS2-P CI
- WS2-P Meter Kit with 4.5 m Cable
- DLFC Drain Line Flow Control 1"
- 1" Drain Fitting
- WS2-P QC-BSPT Straight Connector
- WS2-P QC-QC Straight Connector
- Upper Basket 1½" Ø50
- Lower Basket 1½" Ø50
- Air-check 1600 3/8" tube 3/8" H 115 cm
- Air-check 1700 1/2" tube Ø 27 H 110 cm
- WS1 Transformer 220-240V 15V EU
- PVC Pipe Ø 50 mm

| Item-Nr:   | Description:                                                                                    |
|------------|-------------------------------------------------------------------------------------------------|
| V2PCIMAV-A | Motorised Alternating System WS2P CI 1600 2" w/two control valves and MAV 3-way motorised valve |
| V2PCIMAV-B | Motorised Alternating System WS2P CI 1700 2" w/two control valves and MAV 3-way motorised valve |

## VA-CL MAV WS2 CI/QC - 2" Motorized Alternated System Clack valves 2" WS2 CI/QC in/out



# Clack

### Clack WS2 CI/QC Duplex Kits

WS2 CI/QC duplex kits are alternating softening systems consisting of two Clack WS2 CI/QC valves with volumetric meter controlling two tanks (one in service, the other in regeneration or standby), plus a 3-way valve (MAV) that ensures automatic switching between the units to provide continuous treated water supply.

Designed for residential, commercial and industrial applications, they ensure uninterrupted service during regeneration cycles.

The volumetric operation optimizes water and salt consumption, ensuring high efficiency and long-term reliability.

The systems are compatible with different installation configurations and represent the ideal solution for applications requiring continuous availability of softened water.

### Accessories included in the kit:

- |                      |                                        |
|----------------------|----------------------------------------|
| - 1 pc V3076BSPT     | WS2 MAV 3-way valve                    |
| - 1 pc V3094BSPT-15  | WS2 meter kit with 4.5 m cable         |
| - 2 pcs V3055        | Flanged Adapter for WS2CI/QC           |
| - 2 pcs V3260BSPT-02 | Side-Mount Adapter for WS2CI/QC        |
| - 2 pcs V3190-XX     | 1" drain DLFC (1700)                   |
| - 2 pcs V3008-05     | Straight drain fitting 1" (1700)       |
| - 2 pcs DFSV063F234  | Upper basket 1½" Ø63                   |
| - 2 pcs BTAC1600115  | Air-check 1600 3/8" tube 3/8" H 115 cm |
| - 2 pcs BTAC1700110  | Air-check 1700 1/2" tube Ø 27 H 110 cm |
| - 2 pcs V3186EU-06   | WS1 transformer 220-240V 15V EU        |
| - 3.3 m TPVC050      | PVC tube Ø27 mm                        |

| Item-Nr:     | Description:                                                                      |
|--------------|-----------------------------------------------------------------------------------|
| V2CIQCMVA--A | Motorised Alternating System WS2 CI/QC 1700 Top mount w/two valves and MAV 3-way  |
| V2CIQCMVA--B | Motorised Alternating System WS2 CI/QC 1700 Side mount w/two valves and MAV 3-way |

## VA-CL MAV WS3 - 3" in/out Motorized Alternated System Clack WS3 - Inlet/Outlet 3"



# Clack

### Clack WS3 Duplex Kits

WS3 duplex kits are alternating softening systems consisting of two Clack WS3 valves with volumetric meter controlling two tanks (one in service, the other in regeneration or standby), plus a 3-way valve (MAV) that ensures automatic switching between the units to provide continuous treated water supply.

Designed for residential, commercial and industrial applications, they ensure uninterrupted service during regeneration cycles.

The volumetric operation optimizes water and salt consumption, ensuring high efficiency and long-term reliability.

The systems are compatible with different installation configurations and represent the ideal solution for applications requiring continuous availability of softened water.

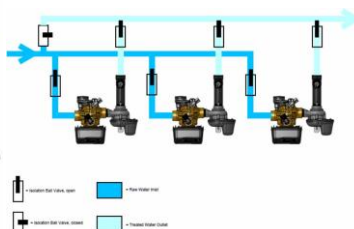
### Accessories included in the kit:

- |                      |                                        |
|----------------------|----------------------------------------|
| - 1 pc V3083BSPT     | MAV 3-Way WS3                          |
| - 1 pc V3095BSPT-15  | WS3 Meter Kit                          |
| - 2 pcs V3090        | Flanged Adapter for WS3                |
| - 2 pcs V3674BSPT-02 | Side-Mount Adapter for WS3             |
| - 2 pcs V3190-XX     | DLFC Drain Line Flow Control 1" (1700) |
| - 2 pcs V3764BSPT    | WS3 Multi-DLFC Drain Fitting           |
| - 2 pcs BTAC1700110  | Air-Check 1700 1/2" tube Ø 27 H 110 cm |
| - 2 pcs V3186EU-02   | WS3 Transformer                        |

| Item-Nr:   | Description:                                                                                |
|------------|---------------------------------------------------------------------------------------------|
| V3CIMAV--A | Motorised Alternating System WS3 w/two valves WS3 Toup Mount version + 3" MAV 3-way         |
| V3CIMAV--B | Motorised Alternating System WS3 w/two control valves WS3 Side Mount version + 3" MAV 3-way |

## CLACK SYSTEM CONTROLLER

## CLACK SYSTEM CONTROLLER - multi-valve control unit



### Clack System Controller - Advanced Multi-Tank System Management

The Clack System Controller is a supervisory unit designed for the intelligent management of water treatment systems consisting of 2 to 6 tanks, ensuring maximum reliability, continuous operation, and optimized performance.

Compatible with Clack control valves in 1", 1.25", 1.5", and 2" sizes, the System Controller supports multiple operating modes, including progressive flow, alternating, series, and random operation, making it suitable for softening, filtration, and demineralization applications in residential, commercial, and industrial environments.

Power is supplied directly by the controller to all connected valves, eliminating the need for individual power adapters and simplifying installation.

Thanks to its solid-state microprocessor and user-friendly front-panel programming interface, the system provides complete operational control and continuous monitoring. The display shows the time of day, day of the week, days remaining until the next regeneration, current system flow rate, and totalized water volume.

Diagnostic and programming information can be exported to a standard USB drive for spreadsheet-based analysis and reporting.

Key features include: Management of 2 to 6 operating units.

- Compatibility with Clack control valves from 1" to 2".
- Two independent SPDT relay outputs.
- Demand-initiated metering input.
- Lithium coin-cell battery backup for timekeeping and settings retention.
- Front-panel LED status indicators for Online, Standby, and Regeneration modes.
- Advanced diagnostics and USB data export.
- The Clack System Controller is the ideal solution for professional water treatment systems requiring centralized management, high operational efficiency, and uninterrupted service.

| Item-Nr: | Description:                                                      |
|----------|-------------------------------------------------------------------|
| V3030-01 | Clack multi-valve control unit                                    |
| V3474    | Communication cable 8' (2,4 m) for Clack multi-valve control unit |
| V3475-12 | Communication cable 12' (3,65)                                    |
| V3475-24 | Communication cable 24' (7,30 m)                                  |
| V3475-36 | Communication cable 36' (10,97 m)                                 |
| V4276-15 | Power Cable SC 2 Molex, 15 ft.                                    |
| V4276-36 | Power Cable SC 2 Molex, 36 ft.                                    |

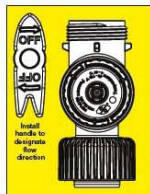
## CLACK-BYPASS

## BYPASS and its components



### V4680 Isolation Valve

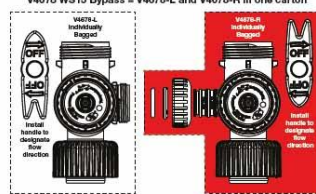
V4680 WS15 Isolation Valve - Individually Bagged



V4680 WS15 Isolation Valve • 2 per carton

### V4678 Bypass

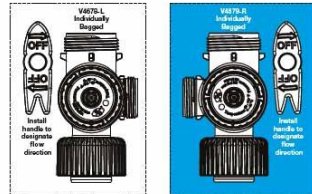
V4678 WS15 Bypass = V4678-L and V4678-R in one carton



V4678 WS15 Bypass • 1 per carton

### V4679 Split Bypass

V4679 WS15 Split Bypass = V4678-L and V4679-R in one carton



V4679 WS15 Split Bypass • 1 per carton

| Item-Nr: | Description:                                              |
|----------|-----------------------------------------------------------|
| V3006    | Bypass assembly for Clack valves WS1-WS1.25               |
| V3145    | WS1 Bypass 1" Rotor                                       |
| V3146    | WS1 Bypass Cap                                            |
| V3147    | WS1 Bypass Handle                                         |
| V3148    | WS1 Bypass Rotor Seal Retainer                            |
| V3467    | WS1 Bypass Inline Adapter Fittings                        |
| V4678    | WS15 Bypass (V4678-L + V4678-R) - for twin valve          |
| V4679    | WS15 Split Bypass (V4678-L + V4679-R) for WS1,5P CI valve |
| V4680    | WS15 Isolation Valve for WS1,5P CI w/NHWB                 |

## CL-MAV

## CLACK MAV Motorized Alternated Valves 3-way



V3069FF • 1" e 1.25"



V3069MM • 1" e 1.25"



V3071 o V3071BSPT  
1.5"



V3076 o V3076BSPT  
2"

| Item-Nr:  | Description:                                                               |
|-----------|----------------------------------------------------------------------------|
| V3034     | WS1.5 Plastic Motorized Alternating Valve MAV                              |
| V3036BSPT | MAV WS2PCI 2" Clack Motorized Alternating Valve Female x Female in plastic |
| V3069FF   | MAV WS1/1.25 Clack Motorized Alternating Valve Female x Female 3-Wire      |
| V3069MM   | MAV WS1/1.25 Clack Motorized Alternating Valve Male x Male 3-Wire          |
| V3071BSPT | MAV WS1.5 Clack Motorized Alternating Valve Female x Female in brass       |
| V3076BSPT | MAV WS2 2" Clack Motorized Alternating Valve Female x Female in brass      |
| V3083BSPT | MAV WS3 3" Clack Motorized Alternating Valve Female x Female in brass      |
| V3340     | WS1 Interconnect Cable (Series Regeneration)                               |
| V3504FF   | WS1/125 Motorized Alternating Valve Body Female x Female                   |
| V3504MM   | WS1/125 Motorized Alternating Valve Body Female x Female                   |



## CL-NHWP

## CLACK NHWP No Hard Water By Pass Motorized Valves



| Item-Nr:     | Description:                                                   |
|--------------|----------------------------------------------------------------|
| V3035        | WS1.5 Plastic No Hard Water Bypass Valve                       |
| V3037        | WS2 Plastic No Hard Water Bypass Valve                         |
| V3070FF      | MAV WS1/1.25 Clack No hard Water By Pass valve Female x Female |
| V3070FM      | MAV WS1/1.25 Clack No hard Water By Pass valve Female x Male   |
| V3097BSPT    | MAV WS1.5 Clack No hard Water By Pass valve Female x Male      |
| V3098BSPT    | MAV WS2 Clack No hard Water By Pass valve Female x Male        |
| V3099BSPT    | WS3 3" Clack No hard Water By Pass valve Female x Male         |
| V3506-01     | WS1/125/15 Motorized Alternating Valve/No HW Bypass Piston     |
| V3521FF      | No Hard Water Bypass Body Assembly Female x Female             |
| V3521FM      | No Hard Water Bypass Body Assembly Female x Male               |
| V3828BSPT-01 | WS2 No Hard Water Bypass Body Male x Female BSPT               |
| V3832-01     | WS15 No Hard Water Bypass Body Male x Female NPT               |
| V3832BSPT-01 | WS15 No Hard Water Bypass Body Male x Female BSPT              |
| V3886        | WS15 No Hard Water Bypass Stack Assembly                       |
| V3887        | WS2 No Hard Water Bypass Stack Assembly                        |

## CLACK-Accessories

## Accessories for control valves Clack WS1"-1,25"



| Item-Nr:   | Description:                                              |
|------------|-----------------------------------------------------------|
| COR60FL    | O-Ring 6" Flange Adapter                                  |
| D1047      | WS1 CV AIR BLOCKER 1.050                                  |
| D1400      | Distribution Heads For 2-1/2"-8 Openings 1191 In-Out Head |
| JCPG-6PBLK | Nut 3/8" Compression                                      |
| JCPG-8PBLK | Nut 1/2" Compression                                      |

|              |                                                                               |
|--------------|-------------------------------------------------------------------------------|
| JCP-P-8      | Polytube Insert 1/2"                                                          |
| V3001-02     | WS1 Mixing Valve Body Assembly                                                |
| V3001-02UP   | WS1 Mixing Valve Body Upflow Assembly                                         |
| V3007        | WS1 straight fitting 1" Plastic Male BSPT (right angle) assy. (24 per box)    |
| V3007-01     | WS1 Fitting 3/4" x 1" PVC Solvent Elbow Assembly (24 pcs)                     |
| V3007-06     | WS1 straight fitting 1" Plastic Male BSPT assy. (24 per box)                  |
| V3007-07     | WS1 Fitting 1-1/4" & 1-1/2" PVC Solvent Assembly (24 pcs) Price per Set       |
| V3007-08     | WS1-WS1.25 straight fitting 1 1/4" Plastic Male BSPT assy. (24 per box)       |
| V3007-14     | WS1 straight fitting 3/4" Plastic Male BSPT assy. (24 per box)                |
| V3007-15     | WS1 Fitting 3/4" John Guest QC Elbow Assembly (20 pcs) Price per Set          |
| V3007-16     | WS1 Fitting 1" PVC Male BSPT 90 Assembly (24 pcs) Price per set               |
| V3007-17     | WS1 Fitting 1" John Guest QC Assembly (20 pcs) Price per Set                  |
| V3007-19     | WS1 Fitting 3/4" Straight John Guest QC (24 pcs) Price per Set                |
| V3008-02     | WS1-WS1.25 Drain Fitting 1" Straight w/ Silencer                              |
| V3008-04     | WS1-WS1.25-WS1.5-WS2 Drain Fitting 1" Straight w/o Silencer                   |
| V3008-05     | WS2 Drain Fitting 1" Straight w/out Silencer                                  |
| V3009        | WS1 Auxiliary Microswitch Assembly                                            |
| V3014        | WS1 Series Microswitch Assembly w/cable                                       |
| V3017        | WS2 Service Or Fill Switch Assembly                                           |
| V3022        | WS1 Stack Puller Assembly                                                     |
| V3022-15     | WS125/15 Stack Puller Assembly                                                |
| V3031        | T1 Body Shaft Water Regen                                                     |
| V3055        | WS2H/2 QC 6" Flange Base Assembly                                             |
| V3064        | WS2H/2 QC 4" Base Assembly                                                    |
| V3090        | TOP MOUNT adapter for Clack valves Flange 6"                                  |
| V3108CI-06   | BOARD WS1THRU2L/2 CI PC Board Relay Replacement                               |
| V3110-01     | WS1 Drive Reducing Gear Plain                                                 |
| V3129        | O-Ring 109                                                                    |
| V3149        | WS1 Fitting 1" PVC Male NPT Elbow                                             |
| V3155        | O-Ring 112 (Bypass Rotor Stem)                                                |
| V3156        | O-Ring 214 (Bypass)                                                           |
| V3171        | O-Ring 013 (Injector Upper)                                                   |
| V3177-01     | WS1 Injector Screen                                                           |
| V3178        | WS1 Drive Back Plate                                                          |
| V3186EU      | Transformer EU-pin for Clack valves WS1-WS1.25-WS1.5-WS2                      |
| V3186EU-05OD | Transformer EU-pin 15 V DC HOCP Outdoor for Clack valves WS1-WS1.25-WS1.5-WS2 |
| V3186EU-06   | Transformer EU-pin 15 V DC HOCP for Clack valves WS1-WS1.25-WS1.5-WS2         |
| V3186UK-06   | Transformer EU-pin 15 V DC HOCP for Clack valves WS1-WS1.25-WS1.5-WS2         |
| V3191-01     | V3191-01, WS1 bypass vertical elbow adapter assembly                          |
| V3193-02     | Service spanner wrench #V3193-02 for Clack valves WS                          |
| V3196CTN     | WS1 Individual Carton                                                         |
| V3231-01     | WS2/2H/3 Refill Flow Control Retainer Asy                                     |
| V3260-02     | WS2H/2 QC 2" Side Mount Base Assembly NPT                                     |
| V3260BSPT-02 | SIDE MOUNT adapter for Clack valves WS2H / WS2QC                              |
| V3277        | O-Ring 211 (Refill Flow Control Assy)                                         |
| V3278        | O-Ring 338 (WS2 DLFC)                                                         |
| V3279        | O-Ring 346 (WS2H Body)                                                        |
| V3280        | O-Ring 332 (WS2H/QC Dist Pilot NPT, WS2/2H Side Mount Body)                   |

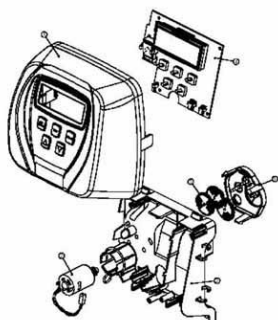
|              |                                                             |
|--------------|-------------------------------------------------------------|
| V3302        | WS1 Molex Connector                                         |
| V3303        | WS1 Molex Terminal                                          |
| V3315        | O-Ring 231 (WS2H Injector Housing)                          |
| V3357        | O-Ring 218 (Distributor Tube Opening 32mm)                  |
| V3404        | WS15 Injector Screen                                        |
| V3407        | WS125/WS15 Piston Downflow Assembly (color amber)           |
| V3414        | WS1.5 Adapter for drain Fitting 1" for Clack valve 1½"      |
| V3415        | WS15 BLFC Adapter                                           |
| V3416        | O-Ring 012                                                  |
| V3417        | O-Ring 220                                                  |
| V3419        | O-Ring 347 (Top of Tank)                                    |
| V3423        | WS15 Backplate Dowel                                        |
| V3428        | WS15 Refill Retainer Assembly                               |
| V3430-01     | WS125/15 EPDM Spacer Stack Assembly                         |
| V3436        | WS15 Injector Plug                                          |
| V3441        | O-Ring 226                                                  |
| V3452        | O-Ring 230 (Drive Cap Assy)                                 |
| V3461EU-02   | WS2H/2HF/3 24VDC 0.8A EU Power Supply                       |
| V3473        | WS1 Motor/DP Wire Harness Two Pin 8' Long                   |
| V3477        | WS2H/3 Injector Cap Machined                                |
| V3499        | WS2H/3 Fitting Cap 1" Threaded                              |
| V3552        | WS1 Brine Elbow Assembly with Refill Fill Flow Control 1/2" |
| V3594        | WS1 Fitting 3/4 Plas Male BSPT                              |
| V3645        | WS15 DLFC Flange Outlet Female 1.5 NPT                      |
| V3645BSPT    | WS15 DLFC Flange Outlet Female 1.5 BSPT                     |
| V3646        | WS15 DLFC Flange Inlet Male 1.5 NPT                         |
| V3674BSPT-02 | SIDE MOUNT adapter for Clack valves WS3                     |
| V3728        | WS2 Drive Cap Assembly                                      |
| V3729        | WS2 Stack Assembly Downflow                                 |
| V3729-01     | WS2 Stack Assembly Upflow (color black and gray)            |
| V3730        | WS2 Injector Feed Tube Assy Downflow (color black)          |
| V3730-01     | WS2 Injector Feed Tube Assy Downflow (color grey)           |
| V3957        | Internal Check Valve for FOB/C/K                            |
| V3961        | Fitting kit WS2 1/2 Polytube                                |
| V3969-01     | WS15 Injector Draw Tube Assy Upflow (color gray)            |
| V4029        | O-ring 236                                                  |
| V4099        | WS1 External In-Line Mixing Valve                           |
| V4430-02     | WS15P Fitting Assembly QC to BSPT                           |
| V4430-03     | WS15P Fitting Assembly QC to QC                             |
| V4430-08     | WS15P Fitting Assembly QC to BSPT Elbow                     |
| V4430-09     | WS15P Fitting Assembly QC to QC Elbow                       |
| V4460-02     | WS2P Fitting Assembly QC TO BSPT                            |
| V4460-03     | WS2P Fitting Assembly QC TO QC                              |
| V4460-05     | WS2P Fitting Assembly Elbow QC to BSPT                      |
| V4460-06     | WS2P Fitting Assembly Elbow QC to QC                        |
| V4470-15     | Cable Cat5 w/RJ45 End Black 15ft                            |



## CLACK-Board Spare parts WS1CI -WS1.5CI

| Disegno No. | Codice     | Descrizione                                 | Quantità |
|-------------|------------|---------------------------------------------|----------|
| 1           | V3175CI-01 | ASS. Frontale WS1CI                         | 1        |
| 2           | V3107-01   | Assieme WS1                                 | 1        |
| 3           | V3106-01   | Alcristallo Integrato e C. Cir. a Molla WS1 | 1        |
| 4           | V3108-1    | Scheda PC WS1CI                             | 1        |
| 5           | V3110      | Ingranaggio 12x36 WS1                       | 1        |
| 6           | V3109      | Copertura Ingranaggio WS1                   | 1        |
| 7           | V3003-1    | ASS. Ingranaggio WS1CI                      | 1        |

\* I componenti con No. Disegno da 2 a 6 possono essere acquistati come insieme completo, codice V3003CI.

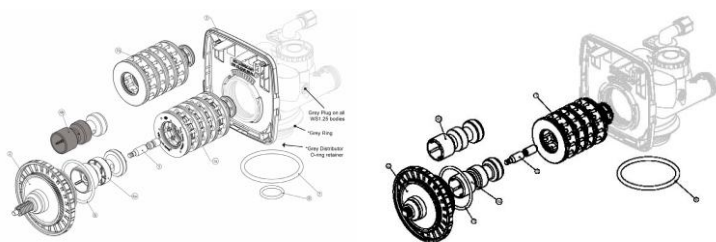


### CLACK-Board Spare parts WS1CI -WS1.5CI

| Item-Nr:       | Description:                                                          |
|----------------|-----------------------------------------------------------------------|
| 1-V3175CI-01   | WS1CI Front Cover Asy Black                                           |
| 1-V3175CI-01A  | WS1CI Front Cover Asy Almond                                          |
| 1-V3175CI-01B  | WS1CI Front Cover Asy Blue                                            |
| 2-V3107-01     | WS1 motor assy                                                        |
| 3-V3106-01     | WS1 plastic board support                                             |
| 4-V3108CIBOARD | Electronic control board for WS1CI - WS1.25CI - WS1.5CI - WS2CI valve |
| 4-V3108TCBOARD | Electronic control board for WS1TC - WS1.25TC - WS1.5TC - WS2TC valve |
| 5-V3110        | WS1 Drive Reducing Gear 12x36                                         |
| 6-V3109        | WS1 Drive Gear Cover                                                  |

## CLACK-Drive cap,pistons,spacer WS1

## Drive cap assy,Downflow piston,Upflow piston,Regenerant piston, Drive stack assy



| Disegno No. | Codice    | Descrizione                     | Quantità |
|-------------|-----------|---------------------------------|----------|
| 1           | V3005     | Assieme Distributore WS1        | 1        |
| 2           | V3004     | ASS. Copertina Ingranaggi       | 1        |
| 3           | V3135     | O-ring 228                      | 1        |
| 4a          | V3011*    | ASS. Pistone apicalmente WS1    | 1        |
| 4b          | V3011-01* | ASS. Pistone controcorrente WS1 | 1        |
| 5           | V3174     | Pistone Regenerante WS1         | 1        |
| 6           | V3180     | O-ring 337                      | 1        |

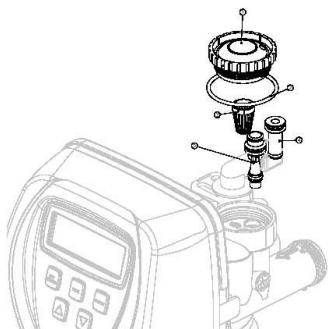
\*V3011 non è contrassegnato con DN e V3011-01 è contrassegnato con U.P.  
Nota: Il pistone regenerante non viene usato solo nelle applicazioni di controlloavaggio.

### CLACK-Board Spare parts WS1CI -WS1.5CI

| Item-Nr:    | Description:              |
|-------------|---------------------------|
| 1-V3005-02  | WS1 spacer stack assembly |
| 2-V3004     | WS1 drive cap assy        |
| 3-V3135     | WS1 O-ring 228            |
| 4a-V3011    | WS1 piston downflow asy   |
| 4b-V3011-01 | WS1 piston upflow asy     |
| 5-V3174     | WS1regenerant piston asy  |
| 6-V3180     | WS1 O-ring 337            |

|       |                                          |
|-------|------------------------------------------|
| V3725 | WS2 Piston Assy Downflow (color amber)   |
| V3726 | WS2 Brine Piston Assembly                |
| V4059 | WS2 Piston Assembly Upflow (color black) |

## CLACK-Injector spare parts Injector cap,injector screen,injector,plug,o-ring



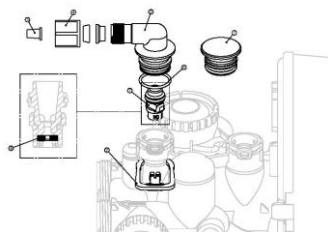
CLACK-Board Spare parts WS1CI -WS1.5CI

| Item-Nr:    | Description:                                       |
|-------------|----------------------------------------------------|
| 1-V3176     | Injector cap Clack WS1                             |
| 2-V3152     | O-ring 135 injector cap                            |
| 3-V3177     | injector screen WS1                                |
| 5-V3010-1A  | WS1 injector assy black 6"                         |
| 5-V3010-1B  | WS1 injector assy brown (7")                       |
| 5-V3010-1C  | WS1 injector assy violet (8")                      |
| 5-V3010-1D  | WS1 injector assy red (9")                         |
| 5-V3010-1E  | WS1 injector assy white (10")                      |
| 5-V3010-1F  | WS1 injector assy blue (12")                       |
| 5-V3010-1G  | WS1 injector assy yellow (13")                     |
| 5-V3010-1H  | WS1 injector assy green (14")                      |
| 5-V3010-1I  | WS1 injector assy orange (16")                     |
| 5-V3010-1J  | WS1 injector assy light blue (18")                 |
| 5-V3010-1K  | WS1 injector assy light green (21")                |
| 5-V3010-1Z  | Ws1 injector assy plug                             |
| 6-V3010-15B | WS1.5/2L Injector Assembly B Violet - 12" downflow |
| 6-V3010-15C | WS1.5/2L Injector Assembly C Violet - 13" downflow |
| 6-V3010-15D | WS1.5/2L Injector Assembly D white - 14" downflow  |
| 6-V3010-15E | WS1.5/2L Injector Assembly E blue - 16" downflow   |
| 6-V3010-15F | WS1.5/2L Injector Assembly F yellow - 18" downflow |
| 6-V3010-15G | WS1.5/2L Injector Assembly H green - 21" downflow  |
| 6-V3010-15H | WS1.5/2L Injector Assembly H orange - 24" downflow |
| 6-V3010-15I | WS1.5/2L Injector Assembly I - 30" downflow        |
| 6-V3010-15Z | WS1.5/2L Injector PLUG Z                           |
| 7-V3010-2A  | WS2/2H/3 Injector Assembly A - 18" downflow        |
| 7-V3010-2B  | WS2/2H/3 Injector Assembly B - 21" downflow        |
| 7-V3010-2C  | WS2/2H/3 Injector Assembly C - 24" downflow        |
| 7-V3010-2D  | WS2/2H/3 Injector Assembly D - 30" downflow        |
| 7-V3010-2E  | WS2/2H/3 Injector Assembly E - 36" downflow        |

|              |                                                            |
|--------------|------------------------------------------------------------|
| 7-V3010-2F   | WS2/2H/3 Injector Assembly F - 42" downflow                |
| 7-V3010-2G   | WS2/2H/3 Injector Assembly G - 48" downflow                |
| 7-V3010-2H   | WS2/2H/3 Injector Assembly H - 63" Gray PVC                |
| 7-V3010-2I   | WS2/2H/3 Injector Assembly A - 63" downflow                |
| V3010-2R-15B | WS2/2H injector R Modified Assembly w/V3010-15B WS2/2H 12" |
| V3010-2R-15C | WS2/2H injector R Modified Assembly w/V3010-15C WS2/2H 13" |
| V3010-2R-15D | WS2/2H injector R Modified Assembly w/V3010-15D WS2/2H 14" |
| V3010-2R-15E | WS2/2H injector R Modified Assembly w/V3010-15E WS2/2H 16" |
| V3170        | WS1 injector assy light blue (18")                         |
| V3171        | upper O-ring 013                                           |

## CLACK-Refill spare parts

## Refill and refill port plug



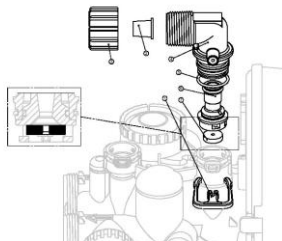
### CLACK-Board Spare parts WS1CI -WS1.5CI

| Item-Nr:    | Description:                                                |
|-------------|-------------------------------------------------------------|
| 1-V3195-01  | WS1 refill port plug                                        |
| 2-H4615     | WS1 elbow locking clip                                      |
| 3-JCP-P-6   | WS1 polytube insert 3/8"-9,5 mm                             |
| 4-JCPG-6BLK | WS1 nut 3/8"-9,5 mm                                         |
| 5-H4613     | WS1 elbow cap 3/8"-9,5 mm                                   |
| 6-V3163     | WS1O-ring 019 drain/refill elbow cap 3/8"-9,5 mm            |
| 7-V3165-01  | WS1 Refill Flow Control Retainer Assembly                   |
| 8-V3182     | WS1 RFC                                                     |
| H4650       | WS1 Elbow 1/2"-12.7 mm w/nut and insert                     |
| V3330       | WS1 Elbow Cap (H4613) and O-Ring (V3163)                    |
| V3330-01    | WS1 Brine Elbow Assembly with RFC (Refill Flow Control)     |
| V3552       | WS1 Brine Elbow Assembly with Refill Fill Flow Control 1/2" |

## CLACK-Drain Line WS1CI - CLACK-Drain Line Spare parts WS1CI -WS1.5CI-WS2 WS1.5CI-WS2

| Disegno No. | Codice   | Descrizione                            | Quantità |
|-------------|----------|----------------------------------------|----------|
| 1           | V3102-01 | ANS Flange WS1CI                       | 1        |
| 2           | V3102-01 | Manif. WS1                             | 1        |
| 3           | V3106-01 | Manif. Integrato e C. Cir. e Molla WS1 | 1        |
| 4           | V3108-01 | Schema PC WS1CI                        | 1        |
| 5           | V3110    | Integratore 125/16 WS1                 | 1        |
| 6           | V3110    | Componente Integratore WS1             | 1        |
| 7           | V3003-01 | ANS Integratore WS1CI                  | 1        |

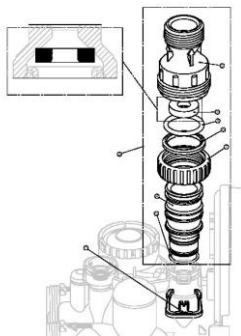
\* I componenti con N. Disegno da 2 a 6 possono essere acquistati come insieme completo, codice V3003CI.



### CLACK-Board Spare parts WS1CI -WS1.5CI

| Item-Nr:        | Description:                                             |
|-----------------|----------------------------------------------------------|
| 1-H4615         | WS1 elbow locking clip                                   |
| 2-PKP10TS8-BULK | WS1 Polytube insert 5/8"                                 |
| 3-V3192         | WS1Drain elbow 19,1 mm (3/4")                            |
| 4-V3158-01      | WS1 Drain elbow 19,1 mm (3/4") male assy                 |
| 5-V3163         | WS1O-ring 019 refill/drain fitting                       |
| 6-V3159-01      | WS1DLFC retainer assy                                    |
| 7-V3162-007     | DLFC 0,7 GPM-2,6 l/m (3/4")                              |
| 7-V3162-010     | DLFC 1,0 GPM-3,8 l/m (3/4") - 6"                         |
| 7-V3162-013     | DLFC 1,3 GPM-4,9 l/m (3/4") - 7"                         |
| 7-V3162-017     | DLFC 1,7 GPM-6,4 l/m (3/4") - 8"                         |
| 7-V3162-022     | DLFC 2,2 GPM-8,3 l/m (3/4") - 9"                         |
| 7-V3162-027     | DLFC 2,7 GPM-10,2 l/m (3/4") - 10"                       |
| 7-V3162-032     | DLFC 3,2 GPM-12,1 l/m (3/4") - 12"                       |
| 7-V3162-042     | DLFC 4,2 GPM-15,9 l/m (3/4") - 13" (filter 9")           |
| 7-V3162-053     | DLFC 5,3 GPM-20,1 l/m (3/4") - 14" (filter 10")          |
| 7-V3162-065     | DLFC 5,3 GPM-20,1 l/m (3/4") - 16"                       |
| 7-V3162-075     | DLFC 6,5 GPM-28,4 l/m (3/4") - 16"                       |
| 7-V3162-090     | DLFC 9,0 GPM-34,1 l/m (3/4") - 18"                       |
| 7-V3162-100     | DLFC 10,0 GPM-37,9 l/m (3/4") - 21"                      |
| V3051BSPT       | WS2-WS3 Drain Fitting 2" straight w/out silencer         |
| V3079BSPT       | WS1.5 Drain Fitting 1 1/4" straight w/out silencer       |
| V3080BSPT       | WS2-WS3 Drain Fitting 1 1/2" straight w/out silencer     |
| V3081           | WS15 Retainer DLFC Assembly                              |
| V3331           | WS1 Drain Elbow 3/4" and DLFC Retainer Assembly          |
| V3498           | WS1.5 Brine Elbow Assembly with Refill Flow Control 1/2" |
| V3764BSPT       | WS3 Drain Fitting 2" straight w/out silencer             |
| V3962           | WS1 Drain Elbow & Retainer Assy w/o Silencer EX V3331    |
| V3968           | WS15 Injector Feed Tube Assy Downflow (color Black)      |
| V3968-01        | WS15 Injector Feed Tube Assy Downflow (color Gray)       |
| V3969           | WS15 Injector Draw Tube Assy Downflow (color black)      |
| V4057           | WS1 Drain Elbow & Retainer Assy w/Silencer               |

## CLACK-Drain Line 25,4 mm Drain Line 25,4 mm (1") WS1CI -WS1.5CI (1") WS1CI -WS1.25CI

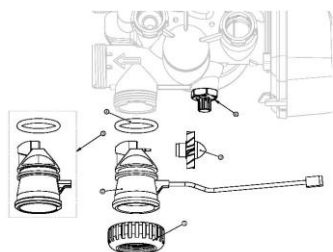


CLACK-Board Spare parts WS1CI -WS1.5CI

| Item-Nr:  | Description:                                               |
|-----------|------------------------------------------------------------|
| 1-H4615-  | WS1 Elbow locking clip                                     |
| 3-V3166*  | WS1 Drain FTG 25,4 mm (1") straight                        |
| 4-V3167*  | WS1 Drain FTG adapter 25,4 mm (1") straight                |
| 5-V3163*  | WS1 O-Ring 019                                             |
| 6-V3150*  | WS1 Split ring                                             |
| 7-V3151*  | WS1 Nut 25,4 mm (1") QC                                    |
| 8-V3105*  | WS1 O-Ring 215                                             |
| V3190-090 | DLFC 10,0 GPM-34,56 l/m for drain ftg 25,4 mm (1") - 18"   |
| V3190-100 | DLFC 10,0 GPM-37,9 l/m for drain ftg 25,4 mm (1") - 18-21" |
| V3190-110 | DLFC 11,0 GPM-41,6 l/m for drain ftg 25,4 mm (1") 21"      |
| V3190-130 | DLFC 13,0 GPM-49,2 l/m for drain ftg 25,4 mm (1")          |
| V3190-150 | DLFC 15,0 GPM-56,8 l/m for drain ftg 25,4 mm (1") - 24"    |
| V3190-170 | DLFC 17,0 GPM-64,4 l/m for drain ftg 25,4 mm (1") 24"      |
| V3190-200 | DLFC 20,0 GPM-75,7 l/m for drain ftg 25,4 mm (1") 24-30"   |
| V3190-250 | DLFC 25,0 GPM-94,6 l/m for drain ftg 25,4 mm (1") - 30"    |

## CLACK-Meter asy

## Clack Flow meter, mixing valve, cap WS1-1.25-1.5-2



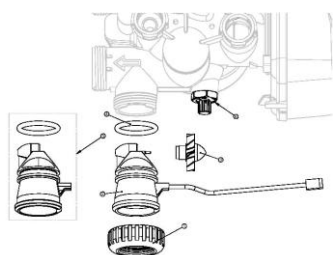
CLACK-Board Spare parts WS1CI -WS1.5CI

| Item-Nr: | Description:            |
|----------|-------------------------|
| 1-V3151  | WS1 Nut 25,4 mm (1") QC |

|              |                                                                      |
|--------------|----------------------------------------------------------------------|
| 2-V3003*     | WS1 Meter Asy                                                        |
| 3-V3118-01   | WS1 Meter turbine asy                                                |
| 4-3105       | WS1 O-Ring 215                                                       |
| 5-3003-01    | WS1 Meter Plug Assembly                                              |
| 6-V3013      | WS1 Mixing valve asy (optional)                                      |
| V3003-02     | WS1.5/2/2h/3 Commercial Meter Assy2 Meter Asy                        |
| V3003-05     | WS1 Meter Assembly                                                   |
| V3003-06     | WS15/2/2H Meter Assembly                                             |
| V3040BSPT    | WS1.5 Meter Assembly Male x Female1½" BSPT                           |
| V3040BSPT-15 | WS1.5 Meter Assembly Male x Female BSPT 15' Meter Cable              |
| V3045BSPT    | WS1.5 Meter Assembly Female x Female1½" BSPT in plastic for WS1.5PCI |
| V3045BSPT-15 | WS1.5P Meter Assembly BSPT 15' Meter Cable                           |
| V3045QC      | WS1.5P Meter Assembly QC 28" Meter Cable                             |
| V3045QC-15   | WS1.5P Meter Assembly QC 15' Meter Cable                             |
| V3048BSPT-15 | WS2P Meter Assembly BSPT 15' Meter Cable                             |
| V3048QC      | WS2P Meter Assembly QC 28" Meter Cable                               |
| V3048QC-15   | WS2P Meter Assembly QC 15' Meter Cable                               |
| V3094BSPT    | WS2 Meter Assembly Male x Female BSPT                                |
| V3094BSPT-15 | WS2 Meter Asy Male x Female BSPT 2" with 4,5 m cable                 |
| V3095BSPT    | WS3 Meter Assembly Male x Female 3" BSPT                             |
| V3095BSPT-15 | WS3 Meter Asy Male x Female BSPT 3" with 4,5 m cable                 |
| V3118-03     | WS1.5/2 Turbine Assembly                                             |
| V3221        | WS Remote Meter Assembly with 15' Cord                               |
| V3340-       | WS1 Interconnect Cable (Series Regeneration)                         |
| V3474        | Communication cable 8' (2,4 m) for Clack WS1-WS1.25-WS1.5-WS2        |
| WV3048BSPT   | WS2P Meter Assembly BSPT 28" Meter Cable                             |

## CLACK-COVERS

### Clack front cover



CLACK-Board Spare parts WS1CI -WS1.5CI

| Item-Nr:    | Description:                        |
|-------------|-------------------------------------|
| V3175CI-01W | WS1CI Front Cover Assembly White    |
| V3175TC-01  | WS1TC Front Cover Assembly black    |
| V3175TC-01A | WS1TC Front Cover Assembly Almond   |
| V3175TC-01B | WS1TC Front Cover Assembly blue     |
| V3175TC-01R | WS1TC Front Cover Assembly Platinum |
| V3175TC-01W | WS1TC Front Cover Assembly White    |

|           |                                         |
|-----------|-----------------------------------------|
| V3175WC-A | WS1 Weather Cover Almond                |
| V3175WC-W | WS1 Weather Cover White                 |
| V3783WC-A | WS2 Weather Cover Almond                |
| V3783WC-W | WS2 Weather Cover White                 |
| V3974WC-A | WS1.5 Weather Cover Almond Generation 2 |
| V3974WC-W | WS1.5 Weather Cover White Generation 2  |

## CSG "PULSE" SERIES VALVES

### VA-PULSE DF - Celtis Water product

### CSG "PULSE " P1 metered control valve 1" DOWNFLOW with WIFI (Optional)



#### VA-CW CSG PULSE 1" Volumetric - Downflow

volumetric control valve for water softening and filtration systems, suitable for residential and professional applications. The valve body is made of high-resistance Noryl®, ensuring reliability, durability and corrosion resistance. It integrates a hardness blending system for treated water adjustment and can be equipped with an optional Wi-Fi module for remote management via dedicated App.

Available in co-current and counter-current regeneration configurations, it features an ultra-compact design (95 mm height), ideal even for compact and under-sink installations.

The electronic board with backup capacitors preserves all settings during power outages. Separate front panel and display allow flexible remote management.

The control board includes 3 dedicated outputs for external devices:

- optional chlorine generator
- dosing pump
- relay signal for auxiliary devices during regeneration

#### INTERFACE AND FUNCTIONS

Intuitive multilingual interface (IT, EN, ES, FR, DE) with advanced parameter management.

5 regeneration modes available:

- delayed volumetric (default)
- immediate volumetric
- delayed timed
- days of the week
- filter mode

Main features:

- automatic cycle capacity calculation
- daily override (1- 99 days)
- selectable hardness units (°F, °D, mg/l, ppm)
- complete operating history (flow rates, volumes, hours, cycles)
- advanced 24h clock system
- low salt level alarm

Advanced password-protected menu for technical settings.

| Item-Nr:  | Description:                                                                          |
|-----------|---------------------------------------------------------------------------------------|
| VCSP1DK00 | PULSE P1 Control valve metered (Downflow) without WiFi black body without accessories |
| VCSP1DK01 | PULSE P1 Control valve metered (Downflow) without WiFi black body with accessories    |
| VCSP1DK10 | PULSE P1 Control valve metered (Downflow) with WiFi black body without accessories    |
| VCSP1DK11 | PULSE P1 Control valve metered (Downflow) with WiFi black body with accessories       |



## VA-PULSE UF - Celtis Water product

## CSG "PULSE " P1 metered control valve 1" UPFLOW with WIFI (Optional)



### VA-CW CSG PULSE 1" Volumetric - Upflow

volumetric control valve for water softening and filtration systems, suitable for residential and professional applications. The valve body is made of high-resistance Noryl®, ensuring reliability, durability and corrosion resistance. It integrates a hardness blending system for treated water adjustment and can be equipped with an optional Wi-Fi module for remote management via dedicated App.

Available in co-current and counter-current regeneration configurations, it features an ultra-compact design (95 mm height), ideal even for compact and under-sink installations.

The electronic board with backup capacitors preserves all settings during power outages. Separate front panel and display allow flexible remote management.

The control board includes 3 dedicated outputs for external devices:

- optional chlorine generator
- dosing pump
- relay signal for auxiliary devices during regeneration

### INTERFACE AND FUNCTIONS

Intuitive multilingual interface (IT, EN, ES, FR, DE) with advanced parameter management.

5 regeneration modes available:

- delayed volumetric (default)
- immediate volumetric
- delayed timed
- days of the week
- filter mode

Main features:

- automatic cycle capacity calculation
- daily override (1- 99 days)
- selectable hardness units (°F, °D, mg/l, ppm)
- complete operating history (flow rates, volumes, hours, cycles)
- advanced 24h clock system
- low salt level alarm

Advanced password-protected menu for technical settings.

| Item-Nr:  | Description:                                                                        |
|-----------|-------------------------------------------------------------------------------------|
| VCSP1UK00 | PULSE P1 metered control valve (Upflow) without WiFi black body without accessories |
| VCSP1UK01 | PULSE P1 metered control valve (Upflow) without WiFi black body with accessories    |
| VCSP1UK10 | PULSE P1 metered control valve (Upflow) with WiFi black body without accessories    |
| VCSP1UK11 | PULSE P1 metered control valve (Upflow) with WiFi black body with accessories       |

**VA-CW CSG PULSE P1 -  
ACC**
**CSG PULSE P1 - accessories and spare parts for  
Downflow/Upflow valve**


CSG PULSE P1 - accessories and spare parts for Downflow/Upflow valve

Ask your sales representative for the exploded-view diagram of the valve, including the complete spare parts list for the new Pulse P1 Valve.

| Item-Nr:  | Description:                                     |
|-----------|--------------------------------------------------|
| XP1ACADEU | PULSE 1 Downflow/Upflow adapter EU-Plug          |
| XP1ACADUK | PULSE 1 Downflow/Upflow adapter UK-Plug          |
| XP1ACADUS | PULSE 1 Downflow/Upflow adapter 110 V USA-Plug   |
| XP1ACBY   | PULSE 1 Downflow/Upflow Plastic bypass 3/4" - 1" |
| XP1ACWFB  | PULSE 1 Downflow/Upflow WiFi-board               |

## APEX EZ-GZ-TZ-MZ SERIES VALVES

### VA-EZ2

### EZ2 electronic control valve (Downflow)



#### Apex EZ2 Control Valve for Softeners and Filters.

Electromechanical control valve for water softeners, designed for domestic, professional, OEM, and distribution applications where operational reliability, standard compatibility, and consistent performance are required. The high-strength Noryl valve body ensures long-term durability and dimensional stability even under intensive operating conditions. Downflow (co-current) regeneration guarantees an efficient and repeatable process, optimizing resin performance and reducing system operating costs. Available with 1" or 3/4" connections, the valve covers a wide flow-rate range and is suitable for residential, light commercial and standard professional installations.

#### Main features:

- Downflow (co-current) regeneration system
- Service flow range from 0.15 to 3.5 m³/h
- Large LCD display showing multiple system parameters, independently and flexibly configurable
- Programming software available in 9 languages (English, Italian, Spanish, French, German, Russian, Polish, Danish, and Dutch)
- Backwash capacity suitable for softener tanks up to 12" and filter tanks up to 10" in diameter
- Low water consumption piston – double backwash capacity
- 1" or 3/4" connections
- Salt shortage alarm setting available
- Customizable home screen with company name and phone number
- Built-in mixing valve on the valve body
- Optimized packaging for distribution: supplied in cartons of 6 units

#### Accessories included in the softening configuration

- |       |                |                                                |
|-------|----------------|------------------------------------------------|
| 1 pc  | EZ2AC-TRAS     | EZ22 EU Transformer                            |
| 1 pc  | EZ1AC-YOKEP25B | EZ1/EZ2/TZ2/MZ1 1" BSP plastic yoke            |
| 1 pc  | EZ1AC-INJKIT   | EZ1/EZ2 plastic injector and DLFC kit          |
| 1 pc  | DFSV027F02     | Upper distributor (upper basket) 1.05", 1" Ø27 |
| 1 pc  | D06TL2102527   | Lower basket 1" Ø 27 H 120 mm                  |
| 1 pc  | BTAC1600115    | Air-check 1600 3/8" tube 3/8" H 115 cm         |
| 1.1 m | PVC027085      | Rigid PVC pipe Ø27 mm, white, food-grade       |

#### Accessories included in the filtration configuration

- |       |                |                                          |
|-------|----------------|------------------------------------------|
| 1 pc  | EZ2AC-TRAS     | EZ1/EZ2 EU Transformer                   |
| 1 pc  | EZ1AC-YOKEP25B | EZ1/EZ2/TZ2/MZ1 1" BSP plastic yoke      |
| 1 pc  | EZ1AC-FILTKIT  | EZ1/EZ2 DLFC kit for filter valves       |
| 1 pc  | DFSV027F02     | Upper basket 1.05", 1" Ø27               |
| 1 pc  | DIFFA02725120  | Lower basket 1", Ø27, h120 mm            |
| 1.1 m | PVC027085      | Rigid PVC pipe Ø27 mm, white, food-grade |

#### Optional items

- |                |                                                           |
|----------------|-----------------------------------------------------------|
| EZ1ACBYPB034   | E EZ1/EZ2/TZ2 plastic by-pass 3/4", straight or elbow     |
| EZ1ACBYPB100   | E EZ1/EZ2/TZ2 plastic by-pass 1", straight or elbow       |
| EZ1AC-YOKEP20B | EZ1/EZ2/TZ2/MZ1 3/4" BSP plastic yoke                     |
| GENCLINEZF     | Chlorine generator for Apex valves, 3/8" quick-fit in/out |

- |            |                                           |
|------------|-------------------------------------------|
| SBV1600120 | Safety brine valve with float 3/8" 120 cm |
|------------|-------------------------------------------|

| Item-Nr:    | Description:                                                                           |
|-------------|----------------------------------------------------------------------------------------|
| VHEZ2FT00   | Control valve EZ2 1600 FILTER downflow without accessories                             |
| VHEZ2FTAC   | Control valve EZ2 1600 FILTER downflow + accessories                                   |
| VHEZ2SMA00  | Control valve EZ2 cover: black/grey meter downflow w/mixing valve without accessories  |
| VHEZ2SMA00B | Control valve EZ2 cover: blue/black meter downflow w/mixing valve without accessories  |
| VHEZ2SMA00G | Control valve EZ2 cover: grey/black meter downflow w/mixing valve without accessories  |
| VHEZ2SMA00N | Control valve EZ2 cover: black/black meter downflow w/mixing valve without accessories |
| VHEZ2SMAAC  | Control valve EZ2 cover: black/grey meter downflow w/mixing valve + accessories        |
| VHEZ2SMAACB | Control valve EZ2 cover: blue/black meter downflow w/mixing valve + accessories        |
| VHEZ2SMAACG | Control valve EZ2 cover: grey/black meter downflow w/mixing valve + accessories        |
| VHEZ2SMAACN | Control valve EZ2 cover: black/black meter downflow w/mixing valve + accessories       |

## VA-GZ2

## GZ2 Ultra Compact electronic control valve Downflow / Upflow



Apex GZ2 control valve for water softeners and filters. Electromechanical control valve designed for residential, professional, OEM, and distribution applications, where operational reliability, standard compatibility, and consistent performance are required.

The high-strength Noryl valve body ensures long-term durability and dimensional stability even under intensive use. The downflow regeneration version ensures an efficient and repeatable process, optimizing resin yield and reducing system operating costs, while the upflow regeneration version ensures efficient water and salt consumption.

Available with 1" or 3/4" connections, the valve covers a wide flow range, making it suitable for residential, light commercial, and standard professional applications.

Main features:

- Downflow and upflow regeneration systems with proportional control
- Service flow rate: 4.5 m<sup>3</sup>/h (1 bar pressure drop)
- The large LCD screen displays various system parameters, which can be set independently and flexibly.
- Programming software available in 9 languages (English, Italian, Spanish, French, German, Russian, Polish, Danish, and Dutch).
- The backwashing capacity accommodates water softener tanks up to 12" and filters up to 10" in diameter.
- Low water consumption piston – dual backwashing capacity.
- 1" or 3/4" connections.
- A low salt alarm can be set.
- Customization is possible by entering the phone number and company name on the home screen.
- Mixing valve on the valve body.
- Optimized packaging for distribution: supplied in cartons of 8

Accessories included in the water softener configuration

- 1 pc GZ2AC-TRAS
- 1 pc GZ2AC-INJKIT
- 1 pc GZ2AC-DIFFIL
- 1 pc D06TL2102527
- 1 pc BTAC1600115
- 1.1 m PVC027085

Optional items:

- GZ2AC-BYPN034
- GZ2AC-BYPN100
- SBV1600120

- GZ2 EU TRANSFORMER - G1825E11-2
- GZ2 plastic injector and DLFC kit
- GZ2 threaded under-valve diffuser ø27 mm
- Lower basket 1" Ø 27 H 120 mm
- Air-check 1600 3/8" tube 3/8" H 115 cm
- Rigid PVC hose ø27 mm, white, food-grade

- GZ2 plastic bypass 3/4", straight or elbow
- GZ2 Plastic Bypass, 1", straight or elbow
- Safety Brine valve with float 3/8" 120 cm

| Item-Nr:     | Description:                                                                          |
|--------------|---------------------------------------------------------------------------------------|
| VHGZ2ACBYPN  | GZ2 Plastic bypass 3/4" - 1"                                                          |
| VHGZ2SMA00   | Control valve GZ2 (Downflow) electronic.metered (softening) black without accessories |
| VHGZ2SMAAC   | Control valve GZ2 (Downflow) electronic.metered (softening) black w/accessories       |
| VHGZ2SMUPA00 | Control valve GZ2 (Upflow) electronic.metered (softening) black without accessories   |
| VHGZ2SMUPAAC | Control valve GZ2 (Upflow) electronic.metered (softening) black w/accessories         |

## VA-TZ2

## TZ2 electronic control valve (Upflow)



### Apex TZ2 Control Valve for Softeners and Filters.

Electromechanical control valve for water softeners, designed for domestic, professional, OEM, and distribution applications where operational reliability, standard compatibility, and consistent performance are required.

The high-strength Noryl valve body ensures long-term durability and dimensional stability even under intensive operating conditions. Upflow (counter-current) regeneration guarantees an efficient and repeatable process, maximizing resin efficiency and reducing water and salt consumption, also thanks to the proportional regeneration system.

Available with 1" or 3/4" connections, the valve covers a wide flow-rate range and is suitable for residential, light commercial, and standard professional installations.

#### Main Features:

- Upflow (counter-current) regeneration system
- Optional proportional regeneration system available
- Service flow range from 0.15 to 3.5 m³/h
- Large LCD display showing various system parameters, independently and flexibly configurable
- Programming software available in 9 languages (English, Italian, Spanish, French, German, Russian, Polish, Danish, and Dutch)
- Backwash capacity suitable for softener tanks up to 12" and filter tanks up to 10" in diameter
- Low water consumption piston – double backwash capacity
- 1" or 3/4" connections
- Option to set a salt shortage alarm
- Customizable home screen with company name and phone number
- Built-in mixing valve on the valve body
- Optimized packaging for distribution: supplied in cartons of 6 units

### Accessories included in the softening configuration

- |       |                |                                                |
|-------|----------------|------------------------------------------------|
| 1 pc  | EZ2AC-TRAS     | EZ1/EZ2 EU Transformer                         |
| 1 pc  | EZ1AC-YOKEP25B | EZ1/EZ2/TZ2/MZ1 1" BSP plastic yoke            |
| 1 pc  | EZ1AC-INJKIT   | EZ1/EZ2 plastic injector and DLFC kit          |
| 1 pc  | DFSV027F02     | Upper distributor (upper basket) 1.05", 1" Ø27 |
| 1 pc  | DD06TL2102527  | Lower basket 1" Ø 27 H 120 mm                  |
| 1 pc  | BTAC1600115    | Air-check 1600 3/8" tube 3/8" H 115 cm         |
| 1.1 m | PVC027085      | Rigid PVC pipe Ø27 mm, white, food-grade       |

### Optional items

- |                |                                                     |
|----------------|-----------------------------------------------------|
| EZ1ACBYPB034   | EZ1/EZ2/TZ2 plastic by-pass 3/4", straight or elbow |
| EZ1ACBYPB100   | EZ1/EZ2/TZ2 plastic by-pass 1", straight or elbow   |
| EZ1AC-YOKEP20B | EZ1/EZ2/TZ2/MZ1 3/4" BSP plastic yoke               |
| GENCLINEZF     | Chlorine generator for Apex, 3/8" quick-fit in/out  |
| SBV1600120     | Safety brine valve with float 3/8", 120 cm          |

| Item-Nr:      | Description:                                                                        |
|---------------|-------------------------------------------------------------------------------------|
| VHTZ2SMUPA00N | Control valve TZ2 Upflow cover: black/grey meter w/mixing valve without accessories |
| VHTZ2SMUPAAC  | Control valve TZ2 Upflow cover: black/grey meter w/mixing valve and accessories     |

## VA-EZ1

## EZ1 Series electronic control valves downflow



### Apex EZ1 Control Valve for Softeners and Filters.

Electromechanical control valve for water softeners, designed for domestic, professional, OEM, and distribution applications where operational reliability, standard compatibility, and consistent performance are required.

The high-strength Noryl valve body ensures long-term durability and dimensional stability even under intensive operating conditions. Downflow (co-current) regeneration ensures an efficient and repeatable process, optimizing resin performance and reducing system management costs. Available with 1" or 3/4" connections, the valve covers a wide flow range and is suitable for residential, light commercial, and standard professional installations.

#### Main features:

- Downflow (co-current) regeneration system
- Service flow range from 0.15 to 3.5 m³/h
- Backlit LCD display
- Backwash capacity suitable for softener tanks up to 12" and filter tanks up to 10" in diameter
- Low water consumption piston – double backwash capacity
- 1" or 3/4" connections
- Built-in mixing valve on the valve body
- Optimized packaging for distribution: supplied in cartons of 6 units

### Accessories included in the softening configuration

- |       |                |                                                |
|-------|----------------|------------------------------------------------|
| 1 pc  | EZ2AC-TRAS     | EZ1/EZ2 EU Transformer                         |
| 1 pc  | EZ1AC-YOKEP25B | EZ1/EZ2/TZ2/MZ1 1" BSP plastic yoke            |
| 1 pc  | EZ1AC-INJKIT   | EZ1/EZ2 plastic injector and DLFC kit          |
| 1 pc  | DFSV027F02     | Upper distributor (upper basket) 1.05", 1" Ø27 |
| 1 pc  | DD06TL2102527  | Lower basket 1" Ø 27 H 120 mm                  |
| 1 pc  | BTAC1600115    | Air-check 1600 3/8" tube 3/8" H 115 cm         |
| 1.1 m | PVC027085      | Rigid PVC pipe Ø27 mm, white, food-grade       |

### Accessories included in the filtration configuration

- |       |                |                                                |
|-------|----------------|------------------------------------------------|
| 1 pc  | EZ2AC-TRAS     | EZ1/EZ2 EU Transformer                         |
| 1 pc  | EZ1AC-YOKEP25B | EZ1/EZ2/TZ2/MZ1 1" BSP plastic yoke            |
| 1 pc  | EZ1AC-FILTKIT  | EZ1/EZ2 DLFC kit for filter valves             |
| 1 pc  | DFSV027F02     | Upper distributor (upper basket) 1.05", 1" Ø27 |
| 1 pc  | DD06TL2102527  | Lower basket 1" Ø 27 H 120 mm                  |
| 1.1 m | PVC027085      | Rigid P PVC pipe Ø27 mm, white, food-grade     |

### Optional items

- |                |                                                     |
|----------------|-----------------------------------------------------|
| EZ1ACBYPB034   | EZ1/EZ2/TZ2 plastic by-pass 3/4", straight or elbow |
| EZ1ACBYPB100   | EZ1/EZ2/TZ2 plastic by-pass 1", straight or elbow   |
| EZ1AC-YOKEP20B | EZ1/EZ2/TZ2/MZ1 3/4" BSP plastic yoke               |
| SBV1600120     | Safety brine valve with float 1 3/8", 120 cmm       |

| Item-Nr:    | Description:                                                                             |
|-------------|------------------------------------------------------------------------------------------|
| VHE560EZf   | Control valve EZ1 1600 electronic time filter downflow w/ accessories                    |
| VHEZ1SMA16C | Control valve EZ1 1600 electronic meter downflow w/built-in mixing valve and accessories |



## VA-MZ1

## MZ1 Series mechanical control valves downflos



MZ1 series Electromechanical control valve, Noryl plastic valve body, 1" or 3/4" inlet/outlet, down flow, 2-1/2" mount, Service flow rate 0.15m<sup>3</sup>/H~3.5m<sup>3</sup>/H (Continuous supply, 0.35 Mpa Inlet), Suitable for 7" to 16" pressure tanks (Dia.), Carton pack, 6 meter valves per master CTN, or 8 timer valves per master CTN, Carton size is 0.58\*0.54\*0.26 (m)

| Item-Nr:    | Description:                                                                                           |
|-------------|--------------------------------------------------------------------------------------------------------|
| VHMZ1FILBAC | Control valve MZ1 for filter mechanical time cont. Downflow w/external mixing valve and accessories    |
| VHMZ1STAAC  | Control valve MZ1 for softening mechanical time cont. Downflow w/external mixing valve and accessories |
| VMZ1SMB00   | Control valve MZ1 Downflow mechanical meter w/mixing valve+accessories                                 |

## VA-EZ2 Acc

## Accessories and spare parts for EZ2 Series valves

| Item-Nr:       | Description:                               |
|----------------|--------------------------------------------|
| EZ1AC-BP       | EZ2 piston assy                            |
| EZ1ACBYPN      | EZ2 Plastic bypass 3/4" - 1"               |
| EZ1AC-INJKIT   | EZ2 - Injector kit                         |
| EZ1AC-RACDIR   | EZ2 drain straight barb connection         |
| EZ1AC-SPACS    | EZ2 4 spacers and 5 seals kit              |
| EZ1AC-YOKEP20B | EZ2 3/4" plastic BSP Yoke                  |
| EZ1AC-YOKEP25B | EZ2 1" plastic BSP Yoke                    |
| EZ2AC-BOARD    | EZ2 spare electronic board                 |
| EZ2AC-FLOWMNC  | EZ2 Turbine for flow meter (without cable) |
| EZ2AC-PA       | EZ2 piston assy                            |
| EZ2AC-RACSALQ  | EZ2 brass brine quick fitting              |
| EZ2AC-TRAS     | Transformer EU-pin for EZ2 valves          |
| EZ2-FLOWMCABLE | EZ2 cable for flow meter (without turbine) |

## VA-TZ2 Acc

## Accessories and spare parts for TZ2 Series valves

| Item-Nr:   | Description:    |
|------------|-----------------|
| EZ1AC-BP - | TZ2 piston assy |

|                  |                                            |
|------------------|--------------------------------------------|
| EZ1ACBYPN -      | TZ2 Plastic bypass 3/4" - 1"               |
| EZ1AC-RACGOM -   | TZ2 drain elbow barb connection            |
| EZ1AC-YOKEP20B - | TZ2 3/4" plastic BSP Yoke                  |
| EZ1AC-YOKEP25B - | TZ2 1" plastic BSP Yoke                    |
| EZ2AC-BOARD -    | TZ2 spare electronic board                 |
| EZ2AC-FLOWMNC -  | TZ2 Turbine for flow meter (without cable) |
| EZ2AC-RACSALQ -  | TZ2 brass brine quick fitting              |
| EZ2AC-TRAS -     | Transformer EU-pin for TZ2 valves          |
| EZ2-FLOWMCABLE - | TZ2 cable for flow meter (without turbine) |
| TZ2AC-INJKIT     | TZ2 - Injector kit                         |
| TZ2AC-PA         | TZ2 piston assy                            |
| TZ2AC-SPACS      | TZ2 4 spacers and 5 seals kit              |

## VA-EZ1 Acc

## Accessories and spare parts for EZ1 Series valves

| Item-Nr:          | Description:                               |
|-------------------|--------------------------------------------|
| EZ1AC-BOARD       | EZ1 spare electronic board                 |
| EZ1AC-BP --       | EZ1 piston assy                            |
| EZ1ACBYPN --      | EZ1 Plastic bypass 3/4" - 1"               |
| EZ1AC-INJKIT --   | EZ1 - Injector kit                         |
| EZ1AC-PA          | EZ1 piston assy                            |
| EZ1AC-RACDIR --   | EZ1 drain straight barb connection         |
| EZ1AC-SPACS --    | EZ1 4 spacers and 5 seals kit              |
| EZ1AC-YOKEP20B -- | EZ1 3/4" plastic BSP Yoke                  |
| EZ1AC-YOKEP25B -- | EZ1 1" plastic BSP Yoke                    |
| EZ2AC-FLOWMNC --  | EZ1 Turbine for flow meter (without cable) |
| EZ2AC-RACSALQ --  | EZ1 brass brine quick fitting              |
| EZ2AC-TRAS --     | Transformer EU-pin for EZ1 valves          |
| EZ2-FLOWMCABLE -- | EZ1 cable for flow meter (without turbine) |

## VA-MZ1 Acc

## Accessories and spare parts for MZ1 Series valves

| Item-Nr:           | Description:                  |
|--------------------|-------------------------------|
| EZ1AC-BP ---       | MZ1 piston assy               |
| EZ1ACBYPN ---      | MZ1 Plastic bypass 3/4" - 1"  |
| EZ1AC-INJKIT ---   | MZ1 - Injector kit            |
| EZ1AC-SPACS ---    | MZ1 4 spacers and 5 seals kit |
| EZ1AC-YOKEP20B --- | MZ1 3/4" plastic BSP Yoke     |
| EZ1AC-YOKEP25B --- | MZ1 1" plastic BSP Yoke       |
| MZ1AC-FLOWM        | MZ1 Flow meter                |
| MZ1AC-PA           | MZ1 piston assy               |



## CHLORINE GENERATORS FOR WATER SOFTENERS

### PRODUTTORI DI CLORO

### Chlorine generators for resin disinfection



| Item-Nr:       | Description:                                                                                                     |
|----------------|------------------------------------------------------------------------------------------------------------------|
| GENCL02MICCOM  | Universal M chlorine generator complete with electrode, T-fitting and 3/8" fittings                              |
| GENCL03MICCOM  | Universal M chlorine generator complete with electrode, T-fitting and 1/2" fittings                              |
| GENCLAD        | Universal chlorine generator for 100–200–300 litre water softeners, complete                                     |
| GENCLINCLACOM  | Internal chlorine generator for Clack valves complete with control board, electrode, T-fitting and 3/8" fittings |
| GENCLINEZF     | Internal chlorine generator for EZ2/TZ2 with electrode, T-fitting, 3/8" quick-connect fittings                   |
| GENCLINGZF     | Internal chlorine generator for GZ2 valves complete with direct-connection electrode on valve body               |
| GENCLINPUF     | Internal chlorine generator for PULSE valves                                                                     |
| XELET038TIT2   | Chlorine generator spare part – titanium electrode with O-ring and 3/8" male connection                          |
| XGENCAVO       | Chlorine generator spare part – cable for internal generator for Clack valves                                    |
| XGENCL02MIC    | Chlorine generator spare part – universal type M transformer with LED                                            |
| XGENSCHINT     | Chlorine generator spare part – internal control board for Clack valves                                          |
| XRACCTF038FPVC | Chlorine generator spare part – PVC T-fitting with 3/8" female connection                                        |

## MANUAL HEADS

### MANUAL HEAD 2

### 2-way IN/OUT heads for softeners/filters



2-way IN/OUT valves designed for managing the inlet and outlet flow of water softeners and filtration systems. Made from durable and reliable materials, they ensure simple and safe system control, facilitate maintenance operations, and guarantee high performance over time.

| Item-Nr:          | Description:                                                                      |
|-------------------|-----------------------------------------------------------------------------------|
| MV02N101D100T027L | 1" 2-way IN/OUT valve - Type L with Ø 27 mm riser tube for tanks from 6" to 16"   |
| MV02N103D100T027  | 1" 2-way IN/OUT valve - Type C with Ø 27 mm riser tube for tanks from 6" to 16"   |
| MV02N104D034L027  | 3/4" 2-way IN/OUT valve with Ø 27 mm riser tube for tanks from 6" to 16"          |
| MV02N105D150T050  | 1½" 2-way IN/OUT valve - Type L with Ø 50 mm riser tube for tanks from 16" to 36" |

### MANUAL HEAD 3

### 3-way manual heads for filtration



Manual 3-way valves designed for flow diversion and management in water treatment systems. Thanks to their robust and reliable construction, they allow easy selection of different flow configurations, simplify maintenance operations, and ensure safe, long-lasting performance.

| Item-Nr: | Description:                                                                                    |
|----------|-------------------------------------------------------------------------------------------------|
| F56A1    | Manual 3-way filter valve, 1" connection, Ø 27 mm, without accessories, with metal handle       |
| F56E1-2  | Manual 3-way filter valve, 3/4" connection, Ø 27 mm, without accessories, with metal handle     |
| F64A2    | Manual 3-way softener valve, 1" connection, Ø 27 mm, without accessories, with plastic handle   |
| F64B     | Manual 3-way softener valve, 3/4" connection, Ø 27 mm, without accessories, with plastic handle |
| N56D2    | 3-way manual valve for water softener, connec 2" Ø 50, no acc., plastic handle                  |

## PLASTIC DIAPHRAGM VALVES

### CSY Plastic Diaphragm valves NO

### Hydropneumatic diaphragm valves in plastic NO



#### Technical Advantages

Our diaphragm valves utilize a dual-chamber design to control internal flow. This design makes the control more flexible, reliable and durable, and minimizes switching defects that a single-chamber valve may have. The valve body and cap are molded with glass fiber reinforced hermoplastic that gives extreme strength, long service life and excellent corrosion resistance. Our diaphragm valves are well suited to demineralization processes.

A special molding process is used to give the reinforced rubber diaphragm extra strength, abrasion resistance and long service life.

The Y-pattern design minimizes pressure loss and increases flow, which results in energy efficient valves.

Working Pressure: 1 - 8 bar (15-115 psi)

Working Temperature: 4 - 50 °C (40-122 °F)

| Item-Nr:       | Description:                                   |
|----------------|------------------------------------------------|
| CSY5211001NOPA | Diaphragm valve body in PA 521 - NA (1"-1.25") |
| CSY5241001NOPA | Diaphragm valve body in PA 524 - NA (1,5"-2")  |
| CSY5261001NOPA | Diaphragm valve body in PA 526 - NA (2,5"-3")  |
| CSY5281001NOPA | Diaphragm valve body in PA 528 - NA (4")       |

### CSY Plastic Diaphragm valves NC

### Hydropneumatic diaphragm valves in plastic NC



#### Technical Advantages

Our diaphragm valves utilize a dual-chamber design to control internal flow. This design makes the control more flexible, reliable and durable, and minimizes switching defects that a single-chamber valve may have. The valve body and cap are molded with glass fiber reinforced hermoplastic that gives extreme strength, long service life and excellent corrosion resistance. Our diaphragm valves are well suited to demineralization processes.

A special molding process is used to give the reinforced rubber diaphragm extra strength, abrasion resistance and long service life.

The Y-pattern design minimizes pressure loss and increases flow, which results in energy efficient valves.

Working Pressure: 1 - 8 bar (15-115 psi)

Working Temperature: 4 - 50 °C (40-122 °F)

| Item-Nr:       | Description:                                    |
|----------------|-------------------------------------------------|
| CSY5203001NCPA | Diaphragm valve body in PA 521 - NC (1"-1.25")  |
| CSY5241001NCPA | Diaphragm valve body in PA 524 - NC (1,5" - 2") |

|                |                                               |
|----------------|-----------------------------------------------|
| CSY5261001NCPA | Diaphragm valve body in PA 528 - NC (4")      |
| CSY5261001NCPA | Diaphragm valve body in PA 526 - NC (2,5"-3") |

## CSY End Connectors for Plastic Diaphragm valves

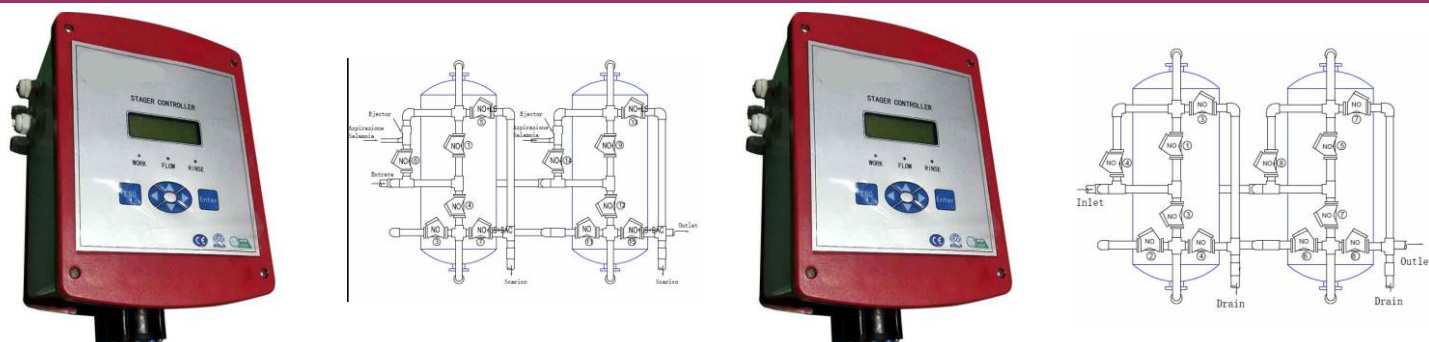
End connectors for plastic diaphragm valves



| Item-Nr:   | Description:                                                                      |
|------------|-----------------------------------------------------------------------------------|
| CSY5212001 | End connectors for diaphragm valves in PA – solvent welding 1" F – 1.25" M (pair) |
| CSY5212003 | End connectors for diaphragm valves in PA – Union End 1" (pair)                   |
| CSY5242001 | End connectors for diaphragm valves in PA – solvent welding 1,5" F (pair)         |
| CSY5242002 | End connectors for diaphragm valves in PA – solvent welding 2" F (pair)           |
| CSY5242003 | End connectors for diaphragm valves in PA – Union End 2" (pair)                   |
| CSY5242014 | End connectors for diaphragm valves in PA – Grooved with coupling 1,5" (pair)     |
| CSY5242015 | End connectors for diaphragm valves in PA – Grooved with coupling 2" (pair)       |
| CSY5262006 | End connectors for diaphragm valves in PA – Flange 2,5" (pair)                    |
| CSY5262007 | End connectors for diaphragm valves in PA – Flange 3" (pair)                      |

## CSY Stager Controller for Diaphragm valves

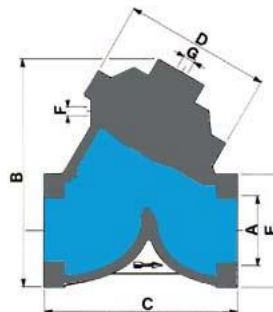
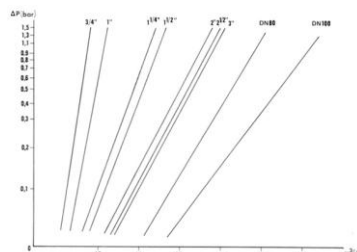
Control unit fo plastic diaphragm valves



| Item-Nr:      | Description:                                         |
|---------------|------------------------------------------------------|
| CSYSCNTFILT01 | Control unit for diaphragm valves (FILTER version)   |
| CSYSCNTSOFT01 | Control unit for diaphragm valves (SOFTENER version) |

## HYDROPNEUMATIC VALVES IN CAST IRON

### IPV-Diaphragm valves NA Diaphragm valves in cast iron NO



The NA hydropneumatic valve is designed for automatic fluid control with low pressure loss and high flow capacity, thanks to its Y-pattern body and large seat opening. The separate diaphragm chamber improves reliability and simplifies maintenance, while composite materials and EPDM seals provide excellent resistance to corrosion and chemical agents.

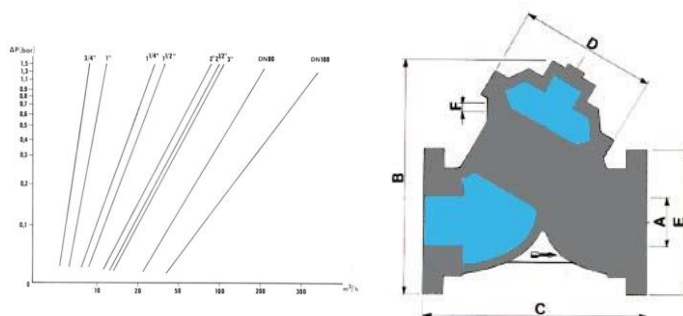
#### KEY FEATURES

- Normally Open (NA) configuration
- Y-pattern body with high flow capacity and low pressure loss
- Hydraulic or pneumatic actuation
- Protected diaphragm in a separate chamber for extended service life
- Corrosion-resistant materials and EPDM seals
- Compatible with a wide range of control devices
- Operating pressure: 1-8 bar
- Operating temperature: 4-50 °C

| Item-Nr: | Description:                                  |
|----------|-----------------------------------------------|
| DVA1A01  | Diaphragm valve in cast iron NO 3/8"          |
| DVA1A02  | Diaphragm valve in cast iron NO 1/2"          |
| DVA2A01  | Diaphragm valve in cast iron NO 3/4"          |
| DVA2A02  | Diaphragm valve in cast iron NO 1"            |
| DVA3A01  | Diaphragm valve in cast iron NO 1 1/4"        |
| DVA3A02  | Diaphragm valve in cast iron NO 1 1/2"        |
| DVA4A02  | Diaphragm valve in cast iron NO 2 1/2"        |
| DVA4A03  | Diaphragm valve in cast iron NO 3"            |
| DVA7A01  | Diaphragm valve in cast iron NO 2"            |
| MVA5A00  | Diaphragm valve in cast iron NO DN80 flanged  |
| MVA6A00  | Diaphragm valve in cast iron NO DN100 flanged |



## IPV-Diaphragm valves NC Diaphragm valves in cast iron NC



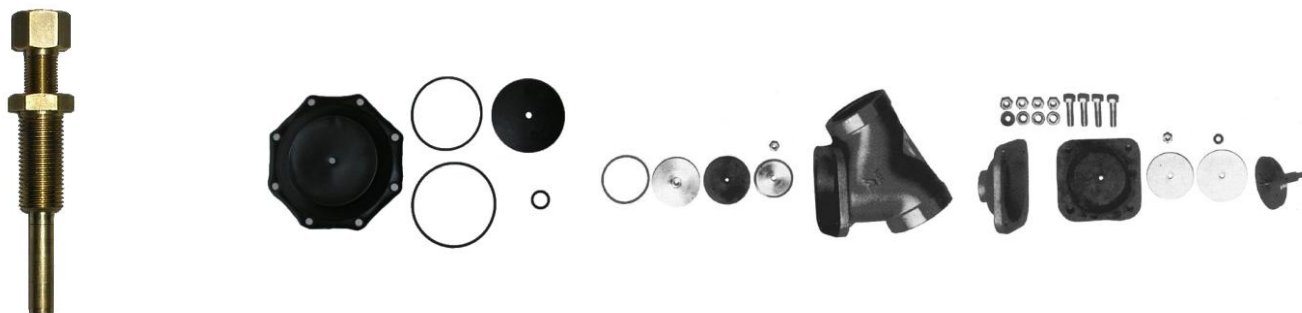
The NC hydropneumatic valve provides reliable flow control for industrial and water treatment applications, combining high flow capacity with low pressure loss. Its separate diaphragm chamber protects the internal components and extends service life, ensuring consistent performance over time.

### KEY FEATURES

- Normally Closed (NC) configuration
- Y-pattern body with high flow capacity
- Hydraulic or pneumatic actuation
- Separate diaphragm chamber for simplified maintenance
- Corrosion-resistant composite materials and EPDM seals
- Compatible with control and automation systems
- Operating pressure: 1-8 bar
- Operating temperature: 4-50 °C

| Item-Nr: | Description:                                  |
|----------|-----------------------------------------------|
| DVA1C01  | Diaphragm valve in cast iron NC 3/8"          |
| DVA1C02  | Diaphragm valve in cast iron NC 1/2"          |
| DVA2C01  | Diaphragm valve in cast iron NC 3/4"          |
| DVA2C02  | Diaphragm valve in cast iron NC 1"            |
| DVA3C01  | Diaphragm valve in cast iron NC 1 1/4"        |
| DVA3C02  | Diaphragm valve in cast iron NC 1 1/2"        |
| DVA4C02  | Diaphragm valve in cast iron NC 2 1/2"        |
| DVA4C03  | Diaphragm valve in cast iron NC 3"            |
| DVA7C01  | Diaphragm valve in cast iron NC 2"            |
| MVA5C00  | Diaphragm valve in cast iron NC DN80 flanged  |
| MVA6C00  | Diaphragm valve in cast iron NC DN100 flanged |

## IPV-Accessori Diaphragm valves Accessories and spare parts for diaphragm valves



| Item-Nr: | Description:                     |
|----------|----------------------------------|
| KEYS3    | Disassembly wrench 1 1/4"-1 1/2" |
| LPFR01   | Flow restrictor 3/8"-1/2"        |

|            |                                                                  |
|------------|------------------------------------------------------------------|
| LPFR02     | Flow restrictor 3/4"-1"                                          |
| LPFR03     | Flow restrictor 1 1/4"-1 1/2"                                    |
| LPFR04     | Flow restrictor 2 1/2" - 3" threaded                             |
| LPFR05     | Flow restrictor DN80                                             |
| LPFR06     | Flow restrictor DN100                                            |
| LPFR07     | Flow restrictor 2"                                               |
| MEB1       | Diaphragm in Buna 3/8"-1/2"                                      |
| MEB2       | Diaphragm in Buna 3/4"-1"                                        |
| MEB3       | Diaphragm in Buna 1 1/4"-1 1/2"                                  |
| MEB4       | Diaphragm in Buna 2 1/2"-3" filettata                            |
| MEB5       | Diaphragm in NBR DN 80                                           |
| MEB6       | Diaphragm in NBR DN 100                                          |
| MEB7       | Diaphragm in NBR 2"                                              |
| ORB1       | Oil-safe gasket in Buna (no diaphragm) 3/8"-1/2"                 |
| ORB2       | Oil-safe gasket in Buna (no diaphragm) 3/4"-1"                   |
| ORB3       | Oil-safe gasket in Buna (no diaphragm) 1 1/4"-1 1/2"             |
| ORB4       | Oil-safe gasket in Buna (no diaphragm) 2 1/2"-3" filettata       |
| ORB5       | Oil-safe gasket in Buna (no diaphragm) DN 80                     |
| ORB6       | Oil-safe gasket in Buna (no diaphragm) DN 100                    |
| ORB7       | Oil-safe gasket in Buna (no diaphragm) 2"                        |
| OT1NAT304N | Shutter diaph.valve 3/8"-1/2" NO in brass -shaft in AISI304      |
| OT1NAT316N | Shutter diaph.valve 3/8"-1/2" NO in brass -shaft in AISI316      |
| OT1NCT304N | Shutter diaph.valve 3/8"-1/2" NC in brass -shaft in AISI304      |
| OT1NCT316N | Shutter diaph.valve 3/8"-1/2" NC in brass -shaft in AISI316      |
| OT2NAT304N | Shutter diaph.valve 3/4"-1" NO in brass -shaft in AISI304        |
| OT2NAT316N | Shutter diaph.valve 3/4"-1" NO in brass -shaft in AISI316        |
| OT2NCT304N | Shutter diaph.valve 3/4"-1" NC in brass -shaft in AISI304        |
| OT2NCT316N | Shutter diaph.valve 3/4"-1" NC in brass -shaft in AISI316        |
| OT3NAT304N | Shutter diaph.valve 1 1/4"- 1 1/2" NA in brass -shaft in AISI304 |
| OT4NAT304N | Shutter diaph.valve 2 1/2"-3" NO in brass -shaft in AISI304      |
| OT4NAT316N | Shutter diaph.valve 2 1/2"-3" NO in brass -shaft in AISI316      |
| OT4NCT304N | Shutter diaph.valve 2 1/2"-3" NC in brass -shaft in AISI304      |
| OT4NCT316N | Shutter diaph.valve 2 1/2"-3" NC in brass -shaft in AISI316      |
| OT5NAT304N | Shutter diaph.valve DN80 NO in brass -shaft in AISI304           |
| OT5NAT316N | Shutter diaph.valve DN80 NO in brass -shaft in AISI316           |
| OT5NCT304N | Shutter diaph.valve DN80 NC in brass -shaft in AISI304           |
| OT5NCT316N | Shutter diaph.valve DN80 NC in brass -shaft in AISI316           |
| OT6NAT304N | Shutter diaph.valve DN100 NO in brass -shaft in AISI304          |
| OT6NAT316N | Shutter diaph.valve DN100 NO in brass -shaft in AISI316          |
| OT6NCT304N | Shutter diaph.valve DN100 NC in brass -shaft in AISI304          |
| OT6NCT316N | Shutter diaph.valve DN100 NC in brass -shaft in AISI316          |
| OT7NAT304N | Shutter diaph.valve 2" NO in brass -shaft in AISI304             |
| OT7NAT316N | Shutter diaph.valve 2" NO in brass -shaft in AISI316             |
| OT7NCT304N | Shutter diaph.valve 2" NC in brass -shaft in AISI304             |
| OT7NCT316N | Shutter diaph.valve 2" NC in brass -shaft in AISI316             |
| PNA3       | Normally open stem 1 1/4"-1 1/2"                                 |
| PRM3       | Brass diaphragm retainer 1 1/4"-1 1/2"                           |
| SPR3       | Replacement spring 1 1/4"-1 1/2"                                 |



## FRP TANKS, CABINETS, BRINE TANKS AND ACCESSORIES

- PVT SERIES FRP PRESSURE TANKS - TOP MOUNT DISTRIBUTORS FOR FRP PRESSURE TANKS -  
ACCESSORIES FOR FRP PRESSURE TANKS - SQUARE BRINE TANKS - ROUND BRINE TANKS - CABINETS FOR  
WATER SOFTENERS - PVA SERIES FRP PRESSURE TANKS - SIDE MOUNT DISTRIBUTORS FOR FRP PRESSURE  
TANKS - ACCESSORIES FOR BRINE TANKS AND CABINETS



## PVA SERIES FRP PRESSURE TANKS

### PVA-SB 2½" - 8 - NPSM

### PVA Series FRP pressure tanks without base conn 2½" - 8 - NPSM



#### PVA - FRP Pressure Tank without base

- Material : PE foodgrade - Fiberglass reinforced
- Standard Colour: Blue
- Certification: NSF,D.M.174
- Minimum cycle test: 250.000 cycles from 0 to 10 bar
- Max.Operating Pressure: 150psi (10 Bar)
- Max Operating Temperature: 45°C Max Vacuum:140 mm Hg

| Item-Nr:      | Description:                                                         |
|---------------|----------------------------------------------------------------------|
| PVA0635S20B01 | FRP tank 6"X35" - 2½" without base blue -Ø 156X889 mm - vol. 14,8 L  |
| PVA0713S20B01 | FRP tank 7"X13" - 2½" without base blue -Ø 181X330 mm - vol. 5,9L    |
| PVA0735S20B01 | FRP tank 7"X35" - 2½" without base Ø 181X889 mm - vol. 18,8 L        |
| PVA0813S20B01 | FRP tank 8"X13" - 2½" without base blue -Ø 206X338 mm - vol. 8 L     |
| PVA0817S20B01 | FRP tank 8"X17" - 2½" without base blue -Ø 206X437 mm - vol. 11 L    |
| PVA0824S20B01 | FRP tank 8"X24" - 2½" without base blue-Ø 206X625 mm - vol. 16,8 L   |
| PVA0835S20B01 | FRP tank 8"X35" - 2½" without base blue -Ø 206X895 mm - vol. 25,2 L  |
| PVA0844S20B01 | FRP tank 8"X44" - 2½" without base blue -Ø 206X1125 mm - vol. 32,5 L |
| PVA0917S20B01 | FRP tank 9"X17" - 2½" without base blue -Ø 231X443 mm - vol. 13,8L   |
| PVA0935S20B01 | FRP tank 9"X35" - 2½" without base blue-Ø 231X1061 mm - vol. 31,1    |
| PVA1017S20B01 | FRP tank 10"X17" - 2½" without base blue-Ø 258X435 mm - vol. 16,4    |
| PVA1019S20B01 | FRP tank 10"X19" - 2½" without base blue-Ø 258X499 mm - vol. 18,8    |
| PVA1024S20B01 | FRP tank 10"X24" - 2½" without base blue -Ø 258X627 mm - vol. 25 L   |
| PVA1035S20B01 | FRP tank 10"X35" - 2½" without base blue-Ø 258X892 mm - vol. 38,8    |

## PVA-BA 2½"

## PVA Series FRP pressure tanks with base conn 2½" - 8" NPSM



PVA - FRP Pressure Tank with base

- Material : PE foodgrade
- Fiberglass reinforced
- Standard Colour: Blue
- Certification : NSF -, D.M. 174
- Minimum cycle test: 250.000 cycles from 0 to 10 bar
- Max.Operating Pressure: 150psi (10 Bar)
- Max Operating Temperature: 45°C Max Vacuum:140 mm Hg

\* Tanks available upon request, not stocked as standard inventory.

| Item-Nr:      | Description:                                                  |
|---------------|---------------------------------------------------------------|
| PVA0610B20B01 | FRP tank 6"X10" - 2½" blue - Ø 156X259 mm - vol.3,2 L         |
| PVA0613B20B01 | FRP tank 6"X13" - 2½" blue-Ø 156X335 mm - vol. 4,7 L          |
| PVA0617B20B01 | FRP tank 6"X17" - 2½" blue -Ø 156X437 mm - vol. 6,5 L *       |
| PVA0618B20B01 | FRP tank 6"X18" - 2½" blue Ø 156X457 mm - vol. 7 L            |
| PVA0629B20B01 | FRP tank 6"X29" - 2½" blue Ø 156X736 mm - vol. 12 L *         |
| PVA0635B20B01 | FRP tank 6"X35" - 2½" blue Ø 156X894 mm - vol. 14,8 L         |
| PVA0713B20B01 | FRP tank 7"X13" - 2½" blue-Ø 181X335 mm - vol. 5,9L           |
| PVA0717B20B01 | FRP tank 7"X17" - 2½" blue-Ø 181X437 mm - vol. 8,3L *         |
| PVA0724B20B01 | FRP tank 7"X24" - 2½" blue-Ø 181X625 mm - vol. 12,4L *        |
| PVA0730B20B01 | FRP tank 7"X30" - 2½" blue-Ø 181X777 mm - vol. 16,1L *        |
| PVA0735B20B01 | FRP tank 7"X35" - 2½" blue-Ø 181X894 mm - vol. 18,8L          |
| PVA0744B20B01 | FRP tank 7"X44" - 2½" blue-Ø 181X1124 mm - vol. 24,2L *       |
| PVA0813B20B01 | FRP tank 8"X13" - 2½" blue-Ø 206X338 mm - vol. 8 L            |
| PVA0817B20B01 | FRP tank 8"X17" - 2½" blue-Ø 206X437 mm - vol. 11 L           |
| PVA0824B20B01 | FRP tank 8"X24" - 2½" blue-Ø 206X625 mm - vol. 16,8 L         |
| PVA0835B20B01 | FRP tank 8"X35" - 2½" blue-Ø 206X895 mm - vol. 25,2 L         |
| PVA0844B20B01 | FRP tank 8"X44" - 2½" blue-Ø 206X1125 mm - vol. 32,5 L        |
| PVA0917B20B01 | FRP tank 9"X17" - 2½" blue-Ø 231X455 mm - vol. 13,8L          |
| PVA0935B20B01 | FRP tank 9"X35" - 2½" blue-Ø 231X900 mm - vol. 31,1L          |
| PVA0942B20B01 | FRP tank 9"X42" - 2½" blue-Ø 231X1073 mm - vol. 37,8L         |
| PVA0948B20B01 | FRP tank 9"X48" - 2½" blue-Ø 231X1225 mm - vol. 43,7L         |
| PVA1017B20B01 | FRP tank 10"X17" - 2½" blue-Ø 258X429 mm - vol. 16,4 L        |
| PVA1019B20B01 | FRP tank 10"X19" - 2½" blue-Ø 258X494 mm - vol. 18,8 L        |
| PVA1024B20B01 | FRP tank 10"X24" - 2½" blue-Ø 258X622 mm - vol. 25 L          |
| PVA1035B20B01 | FRP tank 10"X35" - 2½" blue-Ø 258X886 mm - vol. 38,8 L        |
| PVA1044B20B01 | FRP tank 10"X44" - 2½" blue-Ø 258X1135 mm - vol. 50 L         |
| PVA1054B20B01 | FRP tank 10"X54" - 2½" blue-Ø 258X1380 mm - vol. 62,5 L       |
| PVA1054B22B01 | FRP tank 10"X54" - 2½" - 2½" blue-Ø 258X1380 mm - vol. 62,5 L |

|               |                                                                             |
|---------------|-----------------------------------------------------------------------------|
| PVA1054B2DB01 | FRP tank 10"X54" - 2 1/2" blue with dome hole Ø 258X1380 mm - vol. 62,5 L * |
| PVA1248B20B01 | FRP tank 12"X48" - 2 1/2" blue-Ø 307X1233 mm - vol. 77,5 L                  |
| PVA1252B20B01 | FRP tank 12"X52" - 2 1/2" blue-Ø 307X1333 mm - vol. 85,3 L                  |
| PVA1265B20B01 | FRP tank 12"X65" - 2 1/2" blue-Ø 307X1666 mm - vol. 108,5 L                 |
| PVA1344B20B01 | FRP tank 13"X44" - 2 1/2" blue-Ø 335X1100 mm - vol. 81,1 L                  |
| PVA1354B20B01 | FRP tank 13"X54" - 2 1/2" blue-Ø 335X1350 mm - vol. 102,5 L                 |
| PVA1452B20B01 | FRP tank 14"X52" - 2 1/2" blue-Ø 359X1336 mm - vol. 115,3L                  |
| PVA1465B20B01 | FRP tank 14"X65" - 2 1/2" blue-Ø 359X1661 mm - vol. 146,8L                  |
| PVA1652B20B01 | FRP tank 16"X52" - 2 1/2" blue-Ø 418X1325 mm - vol. 150,1 L                 |
| PVA1665B20B01 | FRP tank 16"X65" - 2 1/2" blue-Ø 418X1668 mm - vol. 191,7 L                 |

## PVA-BA 4"

## PVA Series FRP pressure tanks with base conn 4" - 8NPSM



- PVA - FRP Pressure Tank with base
- Material: PE foodgrade - Fiberglass reinforced
- Standard Colour: Blue
- Certifications: NSF, D.M. 174
- Minimum cycle test: 250.000 cycles from 0 to 10 bar
- Max.Operating Pressure: 150psi (10 Bar)
- Max Operating Temperature: 45°C Max Vacuum:140 mm Hg

\* Tanks available upon request, not stocked as standard inventory.

| Item-Nr:      | Description:                                              |
|---------------|-----------------------------------------------------------|
| PVA1054B40B01 | FRP tank 10"X54" - 4" blue-Ø 258X1380 mm - vol. 62,5 L    |
| PVA1452B40B01 | FRP tank 14"X52" - 4" blue-Ø 359X1336 mm - vol. 115,3 L   |
| PVA1465B40B01 | FRP tank 14"X65" - 4" blue-Ø 359X1661 mm - vol. 146,8 L   |
| PVA1652B40B01 | FRP tank 16"X52" - 4" blue-Ø 418X1325 mm - vol. 150,1 L   |
| PVA1665B40B01 | FRP tank 16"X65" - 4" blue-Ø 418X1668 mm - vol. 191,7 L   |
| PVA1836B40B01 | FRP tank 18"X36" - 4" blue-Ø 465X920 mm - vol. 118,1 L    |
| PVA1853B40B01 | FRP tank 18"X53" - 4" blue-Ø 465X1350 mm - vol. 186,5 L   |
| PVA1865B40B01 | FRP tank 18"X65" - 4" blue-Ø 465X1655 mm - vol. 235 L     |
| PVA2069B40B01 | FRP tank 20"X69" - 4" blue Ø 512X1770 mm - vol. 307,1 L   |
| PVA2136B40B01 | FRP tank 21"X36" - 4" blue Ø 543X940 mm - vol. 164,4 L    |
| PVA2153B40B01 | FRP tank 21"X53" - 4" blue Ø 543X1370 mm - vol. 257,9 L   |
| PVA2162B40B01 | FRP tank 21"X62" - 4" blue-Ø 543X1600 mm - vol. 307,8 L   |
| PVA2465B40B01 | FRP tank 24"X65" - 4" blue Ø 614X1724 MM - vol. 409,4 L   |
| PVA2472B40B01 | FRP tank 24"X72" - 4" blue-Ø 614X1884 MM - vol. 460,5 L   |
| PVA3072B40B01 | FRP tank 30"X72" - 4" blue-Ø 765X2035 mm - vol. 696,1 L   |
| PVA3672B40B01 | FRP tank 36"X72" - 4" blue-Ø 909X2090 mm - vol. 969,2 L * |

## PVA-BA 4"-4"

## PVA Series tanks with base 4"-4" 8NPSM connection



- PVA - FRP Pressure Tank with base
- Material: PE foodgrade - Fiberglass reinforced
  - Standard Colour: Blue
  - Certifications: NSF, D.M. 174
  - Minimum cycle test: 250.000 cycles from 0 to 10 bar
  - Max.Operating Pressure: 150psi (10 Bar)
  - Max Operating Temperature: 45°C Max Vacuum:140 mm Hg

\* Tanks available upon request, not stocked as standard inventory.

| Item-Nr:      | Description:                                                |
|---------------|-------------------------------------------------------------|
| PVA1465B44B01 | FRP tank 14"X65" - 4"-4" blue-Ø 359X1850 mm - vol. 146,8 L  |
| PVA1665B44B01 | FRP tank 16"X65" - 4"-4" blue-Ø 418X1877 mm - vol. 191,7 L  |
| PVA1865B44B01 | FRP tank 18"X65" - 4"-4" blue Ø 465X1873 mm - vol. 235 L    |
| PVA2069B44B01 | FRP tank 20"X69" - 4"-4" blue Ø 512X1955 mm - vol. 307 L    |
| PVA2162B44B01 | FRP tank 21"X62" - 4"-4" blue-Ø 543X1804 mm - vol. 307,8 L  |
| PVA2465B44B01 | FRP tank 24"X65" - 4"-4"-blue Ø 614X1920 mm - vol. 409,4 L  |
| PVA2472B44B01 | FRP tank 24"X72" - 4"-4" blue-Ø 614X2080 mm - vol. 460,5 L  |
| PVA3065B44B01 | FRP tank 30"X65" - 4"-4" blue-Ø 765X1855 mm - vol. 616,4 L  |
| PVA3072B44B01 | FRP tank 30"X72" - 4"-4" blue-Ø 765X2035 mm - vol. 696,1 L  |
| PVA3665B44B01 | FRP tank 36"X65" - 4"-4" blue-Ø 909X1910 mm - vol. 860 L    |
| PVA3672B44B01 | FRP tank 36"X72" - 4"-4" blue-Ø 909X2090 mm - vol. 969,2 L  |
| PVA4065B44B01 | FRP tank 40"X65" - 4"-4" blue-Ø 988X1950 mm - vol. 1087,1 L |
| PVA4079B44B01 | FRP tank 40"X79" - 4"-4" blue-Ø 988X2290 mm - vol. 1257,5L  |

## PVA-BA 6" - 6" flange

## PVA Series FRP pressure tanks with base conn 6" - 6" Flanged



- PVA - FRP Pressure Tank with base
- Material: PE foodgrade - Fiberglass reinforced
  - Standard Colour: Blue
  - Certifications: NSF, D.M. 174
  - Minimum cycle test: 250.000 cycles from 0 to 10 bar
  - Max. Operating Pressure: 150psi (10 Bar)
  - Max Operating Temperature: 45°C Max Vacuum: 140 mm Hg
- Bases of industrial tanks are made of FRP laminate

\* Tanks available upon request, not stocked as standard inventory.

| Item-Nr:      | Description:                                                    |
|---------------|-----------------------------------------------------------------|
| PVA3072B66B01 | FRP tank 30"X72" 6-6 FL. blue-Ø 765X2240 mm - vol. 718,9 L      |
| PVA3672B66B01 | FRP tank 36"X72" 6-6 FL. blue-Ø 909X2160 mm - vol. 969,2L       |
| PVA4065B66B01 | FRP tank 40"X65" 6-6 FL. blue-Ø 988X2040 mm - vol. 1087,1L      |
| PVA4079B66B01 | FRP tank 40"X79" 6"-6" FL. blue-Ø 988X2360 mm - vol. 1257,5L    |
| PVA4272B66B01 | FRP tank 42"X72" 6-6 FL. blue-Ø 1070X2180 mm - vol. 1387,5L     |
| PVA4872B66B01 | FRP tank 48"X72" 6-6 FL. blue-Ø 1217X2195 mm - vol. 1751,3 L    |
| PVA6079B66B01 | FRP tank 60"X79" 6-6 FL. blue-Ø 1479X2425 mm - vol. 3011,5 L ** |
| PVA6367B66B01 | FRP tank 63"X67" 6-6 FL. blue-Ø 1609X2100 mm - vol. 2629,8L **  |
| PVA6386B66B01 | FRP tank 63"X86" 6-6 FL. blue-Ø 1609X2460 mm - vol. 3424,5 L ** |
| PVA7279B66B01 | FRP tank 72"X79" 6-6 FL. blue-Ø 1800X2650 mm - vol. 4610,3L **  |

## PVT SERIES FRP PRESSURE TANKS

### PVT-SB

### PVT FRP pressure tanks without base 2½"



#### PVT - FRP Vessels without Base

##### - Materials:

Inner polyethylene liner reinforced with fiberglass

Food-grade PE reinforced with fiberglass

##### - Operating pressure:

from 0 to 10 bar for pressure tanks from 5" to 18"

from 0 to 8 bar for pressure tanks from 21" to 36"

- Operating temperature: from 1°C to 50°C

- Test pressure: 0 - 10 bar

- Operating pressure: 0 - 10 bar

- Pressure test 250,000 fatigue cycles between 0 and 10 bar

- Breaking load after 52 hours of polymerization: 45 bar

| Item-Nr:      | Description:                                                                   |
|---------------|--------------------------------------------------------------------------------|
| PVT0618S20B10 | Fiberglass pressure tank 6x18* without base conn. 2½" blue - vol.6,5 l         |
| PVT0713S20B08 | Fiberglass pressure tank 7x13 without plastic base conn. 2½" blue - vol.6 l    |
| PVT0717S20B08 | Fiberglass pressure tank 7x17 without plastic base conn. 2½" blue - vol.8,5 l  |
| PVT0735S20B04 | Fiberglass pressure tank 7x35 without plastic base conn. 2½" blue - vol.18,5 l |
| PVT0744S20B04 | Fiberglass pressure tank 7x44 without plastic base conn. 2½" blue - vol.22 l   |
| PVT0817S20B08 | Fiberglass pressure tank 8x17 without plastic base conn. 2½" blue - vol.10,5 l |
| PVT0835S20B04 | Fiberglass pressure tank 8x35 without plastic base conn. 2½" blue - vol.24 l   |
| PVT0844S20B04 | Fiberglass pressure tank 8x44 without plastic base conn. 2½" blue - vol.32 l   |
| PVT0913S20B04 | Fiberglass pressure tank 9x13 without plastic base conn. 2½" blue - vol.9,5 l  |
| PVT0935S20B04 | Fiberglass pressure tank 9x35 without plastic base conn. 2½" blue - vol.32 l   |
| PVT1035S20B04 | Fiberglass pressure tank 10x35 without plastic base conn. 2½" blue - vol.38 l  |

## PVT-BA

## PVT-BA FRP pressure tanks with base 2 1/2"



### PVT - FRP Vessels with Base

#### - Materials:

Inner polyethylene liner reinforced with fiberglass

Food-grade PE reinforced with fiberglass

#### - Operating pressure:

from 0 to 10 bar for pressure tanks from 5" to 18"

from 0 to 8 bar for pressure tanks from 21" to 36"

#### - Operating temperature: from 1°C to 50°C

#### - Test pressure: 0 - 10 bar

#### - Operating pressure: 0 - 10 bar

#### - Pressure test 250,000 fatigue cycles between 0 and 10 bar

#### - Breaking load after 52 hours of polymerization: 45 bar

#### - Operating temperature: from 1°C to 50°C

#### - Test pressure: 0 - 10 bar

#### - Burst pressure after 250,000 fatigue cycles between 0 and 10 bar: higher than 32 bar

| Item-Nr:      | Description:                                                                 |
|---------------|------------------------------------------------------------------------------|
| PVT0618B20B10 | Fiberglass pressure tank 6x18" with plastic base conn. 2½" blue - vol.6,5 l  |
| PVT0713B20B08 | Fiberglass pressure tank 7x13 with plastic base conn. 2½" blue - vol.6 l     |
| PVT0717B20B08 | Fiberglass pressure tank 7x17 with plastic base conn. 2½" blue - vol.8,5 l   |
| PVT0735B20B04 | Fiberglass pressure tank 7x35 with plastic base conn. 2½" blue - vol.18,5 l  |
| PVT0744B20B04 | Fiberglass pressure tank 7x44 with plastic base conn. 2½" blue - vol.22 l    |
| PVT0817B20B08 | Fiberglass pressure tank 8x17 with plastic base conn. 2½" blue - vol.10,5 l  |
| PVT0835B20B04 | Fiberglass pressure tank 8x35 with plastic base conn. 2½" blue - vol.24 l    |
| PVT0844B20B04 | Fiberglass pressure tank 8x44 with plastic base conn. 2½" blue - vol.32 l    |
| PVT0913B20B04 | Fiberglass pressure tank 9x13 with plastic base conn. 2½" blue - vol.9,5 l   |
| PVT0935B20B04 | Fiberglass pressure tank 9x35 with plastic base conn. 2½" blue - vol.32 l    |
| PVT1035B20B04 | Fiberglass pressure tank 10x35 with plastic base conn. 2½" blue - vol.38 l   |
| PVT1044B20B04 | Fiberglass pressure tank 10x44 with plastic base conn. 2½" blue - vol.49,5 l |
| PVT1054B20B04 | Fiberglass pressure tank 10x54 with plastic base conn. 2½" blue - vol.62 l   |
| PVT1344B20B04 | Fiberglass pressure tank 13x44 with plastic base conn. 2½" blue - vol.84 l   |
| PVT1354B20B04 | Fiberglass pressure tank 13x54 with plastic base conn. 2½" blue - vol.106 l  |
| PVT1465B20B04 | Fiberglass pressure tank 14x65 with plastic base conn. 2½" blue - vol.154 l  |
| PVT1465B40B01 | Fiberglass pressure tank 14x65 with plastic base conn. 4" blue - vol.154 l   |
| PVT1665B20B01 | Fiberglass pressure tank 16x65 with plastic base conn. 2½" blue - vol.210 l  |
| PVT1665B40B01 | Fiberglass pressure tank 16x65 with plastic base conn. 4" blue - vol.210 l   |
| PVT1865B40B01 | Fiberglass pressure tank 18x65 with plastic base conn. 4" blue - vol.250 l   |



**PVT-BG**
**PVT-BG FRP pressure tanks with base 4" - 4"/4"**

**PVT - FRP Vessels without Base**

- Materials:  
Inner polyethylene liner reinforced with fiberglass  
Food-grade PE reinforced with fiberglass
- Operating pressure:  
from 0 to 10 bar for pressure tanks from 5" to 18"  
from 0 to 8 bar for pressure tanks from 21" to 36"
- Operating temperature: from 1°C to 50°C
- Test pressure: 0 - 10 bar
- Operating pressure: 0 - 10 bar
- Pressure test 250,000 fatigue cycles between 0 and 10 bar
- Breaking load after 52 hours of polymerization: 45 bar

| Item-Nr:      | Description:                                                                                     |
|---------------|--------------------------------------------------------------------------------------------------|
| PVT2160B40B01 | Fiberglass pressure tank 21x60 with plastic base conn. 4" blue - vol.300 l                       |
| PVT2160B44B01 | Fiberglass pressure tank 21x60 with plastic base conn. 4"-4" blue - vol.300 l                    |
| PVT2469B40B01 | Fiberglass pressure tank 24x69 with plastic base conn. 4" blue - vol.450 l                       |
| PVT2469B44B01 | Fiberglass pressure tank 24x69 with plastic base conn. 4"-4" blue - vol.450 l                    |
| PVT3072B40B01 | Fiberglass pressure tank 30x72 with plastic base conn. 4" blue - vol.680 l                       |
| PVT3072B44B01 | Fiberglass pressure tank 30X72 with plastic base conn. 4"-4" blue - vol.680 l                    |
| PVT3072B60B01 | Fiberglass pressure tank 30X72 with plastic base conn. 6" blue - vol.680 l PRICES ON REQUEST     |
| PVT3072B66B01 | Fiberglass pressure tank 30X72 with plastic base conn. 6"/6" blue - vol.680 l PRICES ON REQUEST  |
| PVT3672B40B01 | Fiberglass pressure tank 36x72 with plastic base conn. 4" blue - vol.1040 l                      |
| PVT3672B44B01 | Fiberglass pressure tank 36x72 with plastic base conn. 4"-4" blue - vol.1040 l                   |
| PVT3672B60B01 | Fiberglass pressure tank 36x72 with plastic base conn. 6" blue - vol.1040 l PRICES ON REQUEST    |
| PVT3672B66B01 | Fiberglass pressure tank 36x72 with plastic base conn. 6"/6" blue - vol.1040 l PRICES ON REQUEST |



## PVT-HW

## PVT FRP pressure tanks with base (hot water)



### PVT HW - FRP Vessels for High Temperature Applications

PVT HW pressure vessels are designed for potable and industrial water treatment systems. Manufactured with an inner polyethylene liner reinforced with fiberglass, they provide high mechanical resistance, operational reliability, and long service life even in high-temperature applications.

Certified for contact with drinking water according to major European standards (DM 174 - ACS - KTW), they are an ideal solution for filtration, softening, and water treatment systems in civil and industrial sectors.

### Technical Features

- Inner polyethylene liner reinforced with fiberglass
- Thread connection: 2½" or 4" 8NPSM
- Standard color: blue
- Operating pressure: from 0 to 10 bar
- Operating temperature: from 1°C to 80°C (max 60°C continuous)

### Test Data

- Dynamic test for 250,000 cycles from 0 to 12 bar
- Static test from 0 to 15 bar for 30,000 cycles
- Burst pressure higher than 40 bar

| Item-Nr:       | Description:                                                                |
|----------------|-----------------------------------------------------------------------------|
| PVT0613B20B01H | Fiberglass pressure tank 6x13 with plastic base conn. 2½" blue - hot water  |
| PVT0817B20B08H | Fiberglass pressure tank 8x17 with plastic base conn. 2½" blue - hot water  |
| PVT0835B20B01H | Fiberglass pressure tank 8x35 with plastic base conn. 2½" blue - hot water  |
| PVT0917B20B08  | Fiberglass pressure tank 9x17 with plastic base conn. 2½" blue - hot water  |
| PVT0935B20B01H | Fiberglass pressure tank 9x35 with plastic base conn. 2½" blue - hot water  |
| PVT1017B20B01H | Fiberglass pressure tank 10x17 with plastic base conn. 2½" blue - hot water |
| PVT1023B20B04H | Fiberglass pressure tank 10x23 with plastic base conn. 2½" blue - hot water |
| PVT1035B20B01H | Fiberglass pressure tank 10x35 with plastic base conn. 2½" blue - hot water |
| PVT1335B20B01H | Fiberglass pressure tank 13x35 with plastic base conn. 2½" blue - hot water |

## FRP TANK JACKET

### Fiberglass coating for pressure cylinders



#### Zippered Covering for FRP Pressure Vessels - Insulating Neoprene

Protective covering made of insulating neoprene, designed for FRP pressure vessels. The zippered design allows quick and practical installation while ensuring excellent adherence to the vessel surface.

The neoprene material provides thermal and mechanical protection, helping reduce the effects of temperature changes and preserving the external surface against impacts, abrasion, and external agents.

Ideal for industrial and technical applications requiring reliability, durability, and easy maintenance.

#### Main Features

- Made of high-resistance insulating neoprene
- Zipper closure for quick installation and removal
- Compatible with FRP pressure vessels
- Thermal and surface protection
- Durable and easy-to-clean finish
- Standard color: black

#### Applications

Suitable for industrial plants, filtration systems, fluid treatment installations, and technical applications involving pressurized FRP vessels.

| Item-Nr:      | Description:                                                          |
|---------------|-----------------------------------------------------------------------|
| NTJ084420KPVA | Insulating neoprene tank jacket for 8x44" frp tank Color: Black       |
| NTJ094820KPVA | Insulating neoprene tank jacket for 9x48" frp tank Color: Black       |
| NTJ101920KPVA | Insulating neoprene tank jacket for 10x19" frp tank Color: Black      |
| NTJ103520KPVA | Insulating neoprene tank jacket for 10x35" frp tank Color: Black      |
| NTJ103520KPVA | Insulating neoprene tank jacket for 10x44" frp tank Color: Black      |
| NTJ105420KPVA | Insulating neoprene tank jacket for 10x54" frp tank Color: Black      |
| NTJ124820KPVA | Insulating neoprene tank jacket for 12x48" frp tank Color: Black      |
| NTJ125220KPVA | Insulating neoprene tank jacket for 12x52" frp tank Color: Black      |
| NTJ134420KPVA | Insulating neoprene tank jacket for 13x44" frp tank Color: Black      |
| NTJ135420KPVA | Insulating neoprene tank jacket for 13x54" frp tank Color: Black      |
| NTJ145220KPVA | Insulating neoprene tank jacket for 14x52" frp tank Color: Black      |
| NTJ146540KPVA | Insulating neoprene tank jacket for 14x65" frp tank Color: Black      |
| NTJ146544KPVA | Insulating neoprene tank jacket for 14x65"-4-4" frp tank Color: Black |
| NTJ166544KPVA | Insulating neoprene tank jacket for 16x65"-4-4" frp tank Color: Black |
| NTJ186544KPVA | Insulating neoprene tank jacket for 18x65"-4-4" frp tank Color: Black |
| NTJ216244KPVA | Insulating neoprene tank jacket for 21x62"-4-4" frp tank Color: Black |
| NTJ247244KPVA | Insulating neoprene tank jacket for 24x72"-4-4" frp tank Color: Black |

# TOP MOUNT DISTRIBUTORS FOR FRP PRESSURE TANKS

## TOP Distributors

## Top distributors



| Item-Nr:       | Description:                                                         |
|----------------|----------------------------------------------------------------------|
| D06TU2032527   | Top screen 2.5" a255/268 for in/out heads tube Ø 27 mm slots 0,25 mm |
| D06TU2092527   | Top screen 2.5" EZ-FL-RX tube Ø 27 mm slots 0,25 mm                  |
| D06TU2192527   | Top screen 2.5" Clack WS1 tube Ø 27 mm slots 0,25 mm                 |
| D06TU240A5027  | Top screen 2.5" Clack WS1 tube Ø 27 mm slots 0,50 mm                 |
| D1199-11       | Top Stack Distributor Snap (50mm Riser)                              |
| D1203-03       | Top Distributor Basket 32 mm for Clack WS1.25 1 1/4"                 |
| D13TU220-12532 | Top screen 2.5" Fleck tube Ø 32 mm slots 0,25 mm                     |
| D13TU242A5032  | Top screen 2.5" for Filter tube Ø 32 mm slots 0,50 mm                |



D18TU2162550 Top screen 4" H182 tube Ø 50 mm slots 0,25 mm

D18TU216A8050 Top screen 4" H182 tube Ø 50 mm slots 0,80 mm

D18TU2552550 Top screen 4" CWS1.5 tube Ø 50 mm slots 0,25 mm

D18TU255A5050 Top screen 4" CWS1.5P tube Ø 50 mm slots 0,50 mm

D18TU255AL5050 Top screen 4" CWS1.5P HF tube Ø 50 mm slots 0,50 mm

D18TU255L2550 Top screen 4" CWS1.5 HF tube Ø 50 mm slots 0,25 mm

D30TU2342563 Top screen 6" F3150 tube Ø 63 mm slots 0,25 mm

D30TU234A8063 Top screen 6" F3150 tube Ø 63 mm slots 0,80 mm

D36TU4363090 Style 3900 Fleck upper screen for 36"-60" tanks 6" FL Ø 90 mm slots 0,30 mm

D36TU4373090 Style 3900 Fleck upper screen for 60"-80" tanks 6" FL Ø 90 mm slots 0,30 mm



## BOTTOM Distributors

## Bottom screen distributors



| Item-Nr:      | Description:                                                |
|---------------|-------------------------------------------------------------|
| D06TL2082527  | Bottom screen 2.5" top mount a255/268 tube Ø 27 0,25 mm     |
| D06TL2102527  | Bottom screen 2.5" top mount F5600 tube Ø 27 0,25 mm        |
| D06TL241A5027 | Bottom screen 2.5" top mount CWS1 FILTER tube Ø 27 0,50 mm  |
| D06TL2542527  | Bottom screen 2.5" top mount CWS1 tube Ø 27 0,25 mm         |
| D1238         | Bottom Distributor Basket: 32mm for Clack WS1.25 1 1/4"     |
| D13IFFA032B2  | Bottom screen 2,5" top mount Clack WS1.25 tube Ø 32 0,25 mm |
| D13TL2432532  | Bottom screen 2.5" top mount H106 tube Ø 32 0,25 mm         |
| D13TL243A5032 | Bottom screen 2.5" top mount H106 FILTER tube Ø 32 0,50 mm  |



D13TL2522532 Bottom screen 2.5" top mount H160 FILTER tube Ø 32 0,25 mm

D13TL2535032 Bottom screen 2.5" top mount H160 FILTER tube Ø 32 0,50 mm

D18TL2182550 Bottom screen 4" top mount tube Ø 50 slots 0,25 mm

D18TL218A8050 Bottom screen 4" top mount tube Ø 50 slots 0,80 mm



## Top mount distributor systems w.laterals

## Top mount radial bottom diffuser



| Item-Nr:     | Description:                                                                   |
|--------------|--------------------------------------------------------------------------------|
| D18TL3062050 | Top mount 4"-6 laterals bottom distributor for tanks 18"-21" Ø50 slots 0,25 mm |

|               |                                                                                |
|---------------|--------------------------------------------------------------------------------|
| D18TL306A5050 | Top mount 4"-6 laterals bottom distributor for tanks 18"-21" Ø50 slots 0,50 mm |
|---------------|--------------------------------------------------------------------------------|

|              |                                                                            |
|--------------|----------------------------------------------------------------------------|
| D24TL3072550 | Top mount 4"-6 laterals bottom distributor for tanks 24" Ø50 slots 0,25 mm |
|--------------|----------------------------------------------------------------------------|



D24TL307A5050 Top mount 4"-6 laterals bottom distributor for tanks 24" Ø50 slots 0,50 mm



D30TL3082550 Top mount 4"-6 laterals bottom distributor for tanks 30" Ø50 slots 0,25 mm



D30TL3082563 Top mount 4"-6 laterals bottom distributor for tanks 30" Ø63 slots 0,25 mm



D30TL308A5050 Top mount 4"-6 laterals bottom distributor for tanks 30" Ø50 slots 0,50 mm



D30TL308A5063 Top mount 4"-6 laterals bottom distributor for tanks 30" Ø63 slots 0,50 mm



D36TL3092550 Top mount 4"-6 laterals bottom distributor for tanks 36"-42" Ø50 slots 0,25 mm



D36TL3092563 Top mount 4"-6 laterals bottom distributor for tanks 36"-42" Ø63 slots 0,25 mm



D36TL309A5050 Top mount 4"-6 laterals bottom distributor for tanks 36"-42" Ø50 slots 0,50 mm



D36TL309A5063 Top mount 4"-6 laterals bottom distributor for tanks 36"-42" Ø63 slots 0,50 mm



D36TL3262563 Top mount 4"-6+6 laterals bottom distributor for tanks 36"-42" Ø63 slots 0,25 mm





|               |                                                                                  |                                                                                                                                                                                                                                                                                          |
|---------------|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| D36TL326A5063 | Top mount 4"-6+6 laterals bottom distributor for tanks 36"-42" Ø63 slots 0,50 mm |        |
| D36TL4032590  | Top mount 6"-8 laterals bottom distributor for tanks 36" Ø90 slots 0,25 mm       |                                                 |
| D36TL403A4090 | Top mount 6"-8 laterals bottom distributor for tanks 36" Ø90 slots 0,40 mm       |                                                   |
| D36TL4102590  | Top mount 6"-8+8 laterals bottom distributor for tanks 36" Ø90 slots 0,25 mm     |        |
| D36TL410A4090 | Top mount 6"-8+8 laterals bottom distributor for tanks 36" Ø90 slots 0,40 mm     |         |
| D40TL4112590  | Top mount 6"-8+8 laterals bottom distributor for tanks 40"-42" Ø90 slots 0,25 mm |  |
| D40TL411A4090 | Top mount 6"-8+8 laterals bottom distributor for tanks 40"-42" Ø90 slots 0,40 mm |    |
| D48TL3102550  | Top mount 4"-6 laterals bottom distributor for tanks 48" Ø50 slots 0,25 mm       |                                               |
| D48TL310A5050 | Top mount 4"-6 laterals bottom distributor for tanks 48" Ø50 slots 0,50 mm       |                                                 |
| D48TL3272563  | Top mount 4"-6+6 laterals bottom distributor for tanks 48" Ø63 slots 0,25 mm     |        |



D48TL327A5063

Top mount 4"-6+6 laterals bottom distributor for tanks 48" Ø63 slots 0,50 mm



D48TL4122590

Top mount 6"-8+8 laterals bottom distributor for tanks 48" Ø90 slots 0,25 mm



D48TL412A4090

Top mount 6"-8+8 laterals bottom distributor for tanks 48" Ø90 slots 0,40 mm



## SIDE MOUNT DISTRIBUTORS FOR FRP PRESSURE TANKS

### Top & bottom mount diffusers side mount

### Top/bottom diffusers side mount



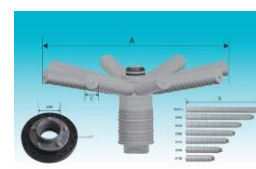
| Item-Nr:       | Description:                                                                |
|----------------|-----------------------------------------------------------------------------|
| D18SU311B2563  | Circular top/bottom diffuser 4" side mount 18"-24" Ø63mm slots 0,25 mm A    |
| D18SU311N5063  | Circular top/bottom diffuser 4" side mount 18"-24" Ø63mm slots 0,50 mm mm A |
| D30SU12002590  | Circular top/bottom diffuser 6" side mount 30"-42" FLG Ø90 mm slots 0,25 mm |
| D30SU1200A8090 | Circular top/bottom diffuser 6" side mount 30"-42" FLG Ø90mm slots 0,8 mm   |
| D30SU312B2563  | Circular top/bottom diffuser 4" side mount 30" Ø63mm slots 0,25 mm B        |
| D30SU312N5063  | Circular top/bottom diffuser 4" side mount 30" Ø63mm slots 0,50 mm mm N     |
| D30SU41510090  | Circular top/bottom diffuser 6" side mount 30"-42" Ø90mm slots 1 mm         |
| D30SU4152590   | Circular top/bottom diffuser 6" side mount 30"-42" Ø90mm slots 0,25 mm      |
| D36SU313B2563  | Circular top/bottom diffuser 4" side mount 36" Ø63mm slots 0,25 mm B        |
| D36SU313N5063  | Circular top/bottom diffuser 4" side mount 36" Ø63mm slots 0,50 mm N        |
| D48SU12022590  | Circular top/bottom diffuser 6" side mount 48"-63" FLG Ø90 mm slots 0,25 mm |
| D48SU1202A8090 | Circular top/bottom diffuser 6" side mount 48"-63" FLG Ø90mm slots 0,80 mm  |
| D48SU4162590   | Circular top/bottom diffuser 6" side mount 48"-63" Ø90mm slots 0,25 mm      |
| D48SU416A10090 | Circular top/bottom diffuser 6" side mount 48"-63" Ø90mm slots 1 mm         |

## Side/bottom mount distributor systems w.laterals

## Side/bottom mount radial bottom diffusers



| Item-Nr:       | Description:                                                                      |
|----------------|-----------------------------------------------------------------------------------|
| D18SL319B2063  | Bottom mount 4"-6 laterals bottom distributor for tanks 18"-21" Ø63 slots 0,20 mm |
| D18SL319B4063  | Bottom mount 4"-6 laterals bottom distributor for tanks 18"-21" Ø63 slots 0,40 mm |
| D24SL320B2063  | Bottom mount 4"-6 laterals bottom distributor for tanks 24" Ø63 slots 0,25 mm     |
| D24SL320B4063  | Bottom mount 4"-6 laterals bottom distributor for tanks 24" Ø63 slots 0,40 mm     |
| D30SL13022590  | Bottom mount 6" FL -8 laterals bottom distributor for tanks 30" Ø90 slots 0,25 mm |
| D30SL1302A5090 | Bottom mount 6" FL -8 laterals bottom distributor for tanks 30" Ø90 slots 0,50 mm |
| D30SL321B2063  | Bottom mount 4"-6 laterals bottom distributor for tanks 30" Ø63 slots 0,20 mm     |



D30SL321B4063

Bottom mount 4"-6 laterals bottom distributor for tanks 30" Ø63 slots 0,40 mm



D30SL4192090

Bottom mount 6" FLG -8 laterals bottom distributor for tanks 30" Ø90 slots 0,20 mm



D30SL419A5090

Bottom mount 6" FLG -8 laterals bottom distributor for tanks 30" Ø90 slots 0,50 mm



D30SL4262090

Bottom mount 6" FLG -8+8 laterals bottom distributor for tanks 30" Ø90 slots 0,20 mm



D30SL426A5090

Bottom mount 6" FLG -8+8 laterals bottom distributor for tanks 30" Ø90 slots 0,50 mm



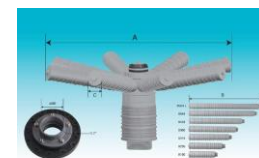
D36SL13032590

Bottom mount 6" FL -8 laterals bottom distributor for tanks 36" Ø90 slots 0,25 mm



D36SL1303A5090

Bottom mount 6" FL -8 laterals bottom distributor for tanks 30" Ø90 slots 0,50 mm



D36SL13102590

Bottom mount 6" FLG -8+8 laterals bottom distributor for tanks 36" FLG Ø90 slots 0,25 mm



D36SL1310A5090

Bottom mount 6" FLG -8+8 laterals bottom distributor for tanks 36" FLG Ø90 slots 0,50 mm

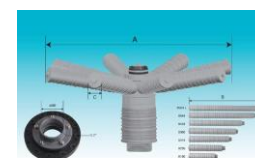


D36SL322B2063

Bottom mount 4"-6 laterals bottom distributor for tanks 36" Ø63 slots 0,20 mm



|                |                                                                                              |
|----------------|----------------------------------------------------------------------------------------------|
| D36SL322B4063  | Bottom mount 4"-6 laterals bottom distributor for tanks 36" Ø63 slots 0,40 mm                |
| D36SL328B2063  | Bottom mount 4"-6+6 laterals bottom distributor for tanks 36" Ø63 slots 0,20 mm              |
| D36SL328B4063  | Bottom mount 4"-6+6 laterals bottom distributor for tanks 36" Ø63 slots 0,40 mm              |
| D36SL4272090   | Bottom mount 6" FLG -8+8 laterals bottom distributor for tanks 36" Ø90 slots 0,20 mm         |
| D36SL427A5090  | Bottom mount 6" FLG -8+8 laterals bottom distributor for tanks 36" Ø90 slots 0,50 mm         |
| D40SL13042590  | Bottom mount 6" FL -8 laterals bottom distributor for tanks 36" Ø90 slots 0,25 mm            |
| D40SL1304A5090 | Bottom mount 6" FL -8 laterals bottom distributor for tanks 40"-42" Ø90 slots 0,50 mm        |
| D40SL13112590  | Bottom mount 6" FLG -8+8 laterals bottom distributor for tanks 36" FLG Ø90 slots 0,25 mm     |
| D40SL1311A5090 | Bottom mount 6" FLG -8+8 laterals bottom distributor for tanks 40"-42" FLG Ø90 slots 0,50 mm |
| D40SL4282090   | Bottom mount 6" FLG -8+8 laterals bottom distributor for tanks 40"-42" Ø90 slots 0,20 mm     |



D40SL428A5090 Bottom mount 6" FLG -8+8 laterals bottom distributor for tanks 40"-42" Ø90 slots 0,50 mm



D48SL13052590 Bottom mount 6" FL -8 laterals bottom distributor for tanks 36" Ø90 slots 0,25 mm



D48SL1305A5090 Bottom mount 6" FL -8 laterals bottom distributor for tanks 36" Ø90 slots 0,50 mm



D48SL13122590 Bottom mount 6" FLG -8+8 laterals bottom distrib.f tanks 48"-63" FLG Ø90 slots 0,25 mm



D48SL1312A5090 Bottom mount 6" FLG -8+8 laterals bottom distrib tanks 48"-63" FLG Ø90 slots 0,50 mm



D48SL4292090 Bottom mount 6" FLG -8+8 laterals bottom distrib. Tanks 48"-63" Ø90 slots 0,25 mm



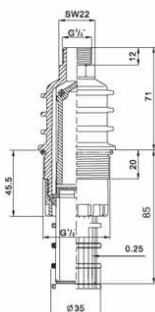
D48SL429A5090 Bottom mount 6" FLG -8+8 laterals bottom distrib. Tanks 48"-63" Ø90 slots 0,20 mm



## ACCESSORIES FOR FRP PRESSURE TANKS

### Vacuum breaker-Valvola rompivuoto

### Vacuum breaker



#### Item-Nr:

#### Description:

|      |                                                                                        |
|------|----------------------------------------------------------------------------------------|
| VRV1 | Vacuum breaker valve V1 - H 110 mm connection 1" discharge connection 3/8" - PN 10     |
| VRV2 | Vacuum breaker valve V2 - H 205 mm connection 1 1/2" discharge connection 1/2" - PN 10 |

### AC-BV

### Accessories for pressure tanks/cabinets (further accessories upon request)



#### Item-Nr:

#### Description:

|             |                                                 |
|-------------|-------------------------------------------------|
| B1BP05      | Base in polyethylene for tank Ø 5"              |
| B1BP06      | Base in polyethylene for tank Ø 6"              |
| B1BP07      | Base in polyethylene for tank Ø 7"              |
| B1BP08      | Base in polyethylene for tank Ø 8"              |
| B1BP09      | Base in polyethylene for tank Ø 9"              |
| B1BP10      | Base in polyethylene for tank Ø 10"             |
| B1BP13      | Base in polyethylene for tank Ø 13"             |
| PTRID04025  | Threaded adapter 4"-2,5" for FRP pressure tanks |
| PTTAP250FL  | Threaded cap 2,5"-8 UN w/ O-ring                |
| PTTAP400FIL | Threaded cap 4"-8 UN w/ O-ring                  |
| PTTAP6FL    | Closure 6" blind flange                         |



## PVC PIPE

## PVC Pipe



| Item-Nr:    | Description:                                                 |
|-------------|--------------------------------------------------------------|
| PVC027085   | White PVC pipe Ø 27 mm PN10 thickness 2.8 mm - 3.3 m lengths |
| PVC032      | White PVC pipe Ø 32 mm PN10 thickness 1.6 mm - 3.3 m lengths |
| TPVC050     | Grey PVC pipe Ø 50 mm PN10 thickness 2.4 mm - 4 m lengths    |
| TPVC063SP3  | Grey PVC pipe Ø 63 mm PN10 thickness 3 mm - 2 m lengths      |
| TPVC090PN10 | PVC pipe Ø 90 mm - price on request                          |

## PVC PIPE KIT

## PVC hose kit + bottom diffuser



PVC tube kit with bottom diffuser, available in various diameters and lengths for water softening and filtration applications. Ideal for internal connection in tanks and filter vessels, ensuring uniform flow distribution and long-term reliability.

Available versions:  
 Diameter 27 mm → heights 55 cm, 110 cm, 165 cm  
 Diameter 32 mm → height 165 cm  
 Diameter 50 mm → heights 165 cm, 190 cm

| Item-Nr:    | Description:                                                 |
|-------------|--------------------------------------------------------------|
| PVC055DF    | Pvc tube kit diam. 27 mm 55 cm + diffuser for 17"-19" tanks  |
| PVC110DF    | Pvc tube kit diam. 27 mm 110 cm + diffuser for 35"-44" tanks |
| PVC165DF    | Pvc tube kit diam. 27 mm 165 cm + diffuser for 54"-65" tanks |
| PVC165DF032 | Pvc tube kit diam. 32 mm 165 cm + diffuser for 62"-65" tanks |
| PVC165DF050 | Pvc tube kit diam. 50 mm 165 cm + diffuser for 62"-65" tanks |
| PVC190DF050 | Pvc tube kit diam. 50 mm 190 cm + diffuser for 72" tanks     |



## SQUARE BRINE TANKS

### TS-QA

### Brine tanks QA Series



#### QA Series Square Brine Tanks

Professional brine tanks for salt storage, manufactured from impact-resistant and weather-resistant materials, ideal for water softening and water treatment systems.  
Compact square design, practical for technical and industrial installations.

#### Main Features

- Available capacities: 25 L, 70 L, 100 L and 150 L
- Available colors: blue, grey and black
- Strong and durable construction
- Easy installation and maintenance
- Compatible with most water softeners

#### Standard Equipment

All models are supplied complete with:

- Salt grid
- Brine well
- Brine well cover
- Overflow fitting 3/8"

Suitable for residential, commercial and industrial applications.

| Item-Nr:     | Description:                                                                     |
|--------------|----------------------------------------------------------------------------------|
| BTQA0025GGAC | Brine Tank 25 L Square , gray with gray lid, 250×250×475 mm, with accessories    |
| BTQA0070BKAC | 70 L Square Brine Tank, blue with black lid, 340×340×810 mm, with accessories    |
| BTQA0070GKAC | 70 L Square Brine Tank, gray with black lid, 340×340×810 mm, with accessories    |
| BTQA0070KKAC | Brine Tank 70 L Square, black with black lid, 340×340×810 mm, with accessories   |
| BTQA0100BKAC | Brine tank 100 L square, blue with black lid, 400×400×840 mm, with accessories   |
| BTQA0100GKAC | Brine tank 100 L squared gray with black lid, 400×400×840 mm, with accessories   |
| BTQA0100KKAC | Brine tank 100 L squared black with black lid, 400×400×840 mm, with accessories  |
| BTQA0150BBAC | Brine tank 150 L squared, blue with blue lid, 450×450×1000 mm, with accessories  |
| BTQA0150GGAC | Brine tank 150 L (squared) grey with grey lid 450x450x1000 mm with accessories   |
| BTQA0150KKAC | Brine tank 150 L (squared) black with black lid 450x450x1000 mm with accessories |

## TS-QC

## Squared brine tanks QC Series - STANDARD - accessories included



### QC Series Brine Tanks

Professional brine tanks for salt storage, manufactured from impact-resistant and weather-resistant materials, ideal for water softening and water treatment systems. Compact and functional design, suitable for technical and residential installations.

#### Main Features

- Available capacity: 25 L
- Available color: white with black lid
- Strong and durable construction
- Easy installation and maintenance
- Compatible with most water softeners

### Standard Equipment

All models are supplied complete with:

- Brine well
- Brine well cover
- Overflow fitting 3/8"

Suitable for residential, commercial and industrial applications.

| Item-Nr:     | Description:                                               |
|--------------|------------------------------------------------------------|
| BTQR025603WB | Brine tank 25 L (squared) -225X225X460 cm with accessories |

## ROUND BRINE TANKS

### TS-TA

### Brine tanks TA Series



Round Brine Tanks TA Series

Standard Equipment

Professional brine tanks for salt storage, manufactured from impact-resistant and weather-resistant materials, ideal for water softening and water treatment systems.  
High-capacity round design, developed for residential, commercial and industrial installations.

#### Main Features

- Available capacities: 60 L, 100 L, 145 L, 200 L, 350 L, 500 L, 750 L, 1000 L, 1500 L, 2000 L and 3000 L
- Available color: white with black lid
- Strong and durable construction
- Conical stackable design for optimized transport and storage
- Reduced logistics costs thanks to stackable structure
- Easy installation and maintenance
- Compatible with most water softeners

All models are supplied complete with:

- Salt grid
- Brine well
- Brine well cover
- Overflow connection with hose barb 3/8"

#### Optional accessories:

- PPQPP0202W Overflow connection 1/2" NPT M with elbow hose barb
- PPQPP0602W Overflow connection 3/4" NPT M with elbow hose barb

Suitable for residential, commercial and industrial applications.

| Item-Nr:     | Description:                                                      |
|--------------|-------------------------------------------------------------------|
| BTTA0060WKAC | Brine tank TS-TA Series 60 L Ø 390 x H810 mm, with accessories    |
| BTTA0100WKAC | Brine tank TS-TA Series 100L Ø 450 x H940 mm, with accessories    |
| BTTA0145WKAC | Brine tank TS-TA Series 145L Ø 500 x H1060 mm, with accessories   |
| BTTA0200WKAC | Brine tank TS-TA Series 200L Ø 550 x H1160 mm, with accessories   |
| BTTA0350WKAC | Brine tank TS-TA Series 350L Ø 740 x H1275 mm, with accessories   |
| BTTA0500WKAC | Brine tank TS-TA Series 500L Ø 840 x H1335 mm, with accessories   |
| BTTA0750WKAC | Brine tank TS-TA Series 750L Ø 960 x H1395 mm, with accessories   |
| BTTA1000WKAC | Brine tank TS-TA Series 1000L Ø 1080 x H1460 mm, with accessories |
| BTTA1500WKAC | Brine tank TS-TA Series 1500L Ø 1240 x H1575 mm, with accessories |
| BTTA2000WKAC | Brine tank TS-TA Series 2000L Ø 1360 x H1690 mm, with accessories |
| BTTA3000WKAC | Brine tank TS-TA Series 3000L Ø 1595 x H1770 mm, with accessories |

**TS-TT**
**Brine tanks TT Series**

**Round Brine Tanks TT Series**

Salt storage tanks ideal for water softening and water treatment systems.  
Compact and practical design, suitable for residential and technical installations.

**Main Features**

- Available capacities: 30 L, 75 L and 100 L
- Standard color: white with light blue lid
- Black lid available on request
- D.M. 174 certified
- Strong and durable construction
- Easy to install and use

| Item-Nr:     | Description:                                                                 |
|--------------|------------------------------------------------------------------------------|
| BTTT0035WB00 | Brine tank 30 l white with blue lid Ø 34 x H 47 cm (empty NO accessories)    |
| BTTT0075WB00 | Brine tank 75 l white with blue lid Ø 34 x H. 90,5 cm (empty NO accessories) |
| BTTT0100WB00 | Brine tank white with blue lid 100 l Ø 34 x H 116 cm (empty NO accessories)  |

## CABINETS FOR WATER SOFTENERS

### CAB "ESSENCE" - Celtis Water product

### Cabinets for water softeners "ESSENCE" Series



ESSENCE - Cabinet designed, engineered, developed and manufactured entirely by Celtis Water.

ESSENCE is the monoblock cabinet designed for residential water softeners and light commercial applications, created to combine contemporary aesthetics, functionality, and long-term reliability.

Designed with refined and elegant styling, ESSENCE enhances every installation thanks to its modern lines and 100% Made in Italy manufacturing quality. Its robust and durable structure ensures high performance and long service life, even under continuous use.

Available in standard finishes Pearl Grey and Matte Black with an elegant smoked window.

The cabinet can also be customized in other colors upon request.

#### Key Features

EUIPO registered/protected shape and design

100% Made in Italy production

Compatible with most residential control valves

Certifications: D.M. 174

#### CONSTRUCTION MATERIALS

- Body: 100% recyclable HDPE polyethylene

- Lid and transparent window: UV-resistant PS polystyrene

- Salt lid: polyethylene

- Internal structure: integrated anti-deformation reinforcement for heavy salt loads

#### AVAILABLE CONFIGURATIONS

- Empty version, without tank and accessories

- Version with tank and accessories included brine well, 2 caps, overflow fitting

#### COMPATIBLE TANKS

- Diameters: 7" - 8" - 9" - 10"

- Heights: 17" and 35"

#### DIMENSIONS

- MAXI Version 530 mm × 315 mm × 1120 mm

- MINI Version 530 mm × 315 mm × 663 mm

| Item-Nr:         | Description:                                                      |
|------------------|-------------------------------------------------------------------|
| BTEMIG0SG0TK0000 | Cabinet "ESSENCE" MINI Light Grey - empty without accessories     |
| BTEMIK0SK0TK0000 | Cabinet "ESSENCE" MINI Black - empty, without accessories         |
| BTEMXG0SG0TK0000 | Cabinet "ESSENCE" MAXI Light Grey - empty, without accessories    |
| BTEMXK0SK0TK0000 | Cabinet "ESSENCE" MAXI Black - empty without accessories          |
| KCEMIG0SG0TK0008 | Cabinet "ESSENCE" MINI Light Grey + FRP tank 8x17" + accessories  |
| KCEMIG0SG0TK0009 | Cabinet "ESSENCE" MINI Light Grey + FRP tank 9x17" + accessories  |
| KCEMIG0SG0TK0010 | Cabinet "ESSENCE" MINI Light Grey + FRP tank 10x17" + accessories |
| KCEMIK0SK0TK0008 | Cabinet "ESSENCE" MINI Black + FRP tank 8x17" + accessories       |
| KCEMIK0SK0TK0009 | Cabinet "ESSENCE" MINI Black + FRP tank 9x17" + accessories       |
| KCEMIK0SK0TK0010 | Cabinet "ESSENCE" MINI Black +FRP tank 10x17"+ accessories        |
| KCEMXG0SG0TK0007 | Cabinet "ESSENCE" MAXI Light Grey + FRP tank 7x35" + accessories  |
| KCEMXG0SG0TK0008 | Cabinet "ESSENCE" MAXI Light Grey + FRP tank 8x35" + accessories  |
| KCEMXG0SG0TK0009 | Cabinet "ESSENCE" MAXI Light Grey + FRP tank 9x35" + accessories  |
| KCEMXG0SG0TK0010 | Cabinet "ESSENCE" MAXI Light Grey + FRP tank 10x35" + accessories |
| KCEMXK0SK0TK0007 | Cabinet "ESSENCE" MAXI Black + FRP tank 7x35" + accessories       |
| KCEMXK0SK0TK0008 | Cabinet "ESSENCE" MAXI Black + FRP tank 8x35" + accessories       |
| KCEMXK0SK0TK0009 | Cabinet "ESSENCE" MAXI Black + FRP tank 9x35" + accessories       |
| KCEMXK0SK0TK0010 | Cabinet "ESSENCE" MAXI Black + FRP tank 10x35" + accessories      |

## CAB "ELAN"

## Cabinets for water softeners "ELAN" Series w/pressure tank



### ELAN Series Water Softener Cabinets

The ELAN series has been designed to provide a compact, functional, and aesthetically modern solution for housing domestic and professional water softeners. The ergonomic design with integrated external handles ensures easy handling and simplifies installation and maintenance operations.

Manufactured from durable and resistant materials, ELAN cabinets guarantee long-term reliability and excellent adaptability to different system configurations.

Available in MINI and MAXI versions, they accommodate different tank sizes, offering maximum versatility for residential and commercial applications.

### MINI VERSION

Cabinet dimensions: 480 × 290 × 674 mm

Compatible tanks:

- 7" × 17" without base - 8" × 17" without base
- 9" × 17" without base - 10" × 17" without base

### MAXI VERSION

Dimensions: 480 × 290 × 1133 mm

Compatible tanks:

- 7" × 35" without base - 8" × 35" without base
- 9" × 35" without base - 10" × 35" without base

| Item-Nr:       | Description:                                                                    |
|----------------|---------------------------------------------------------------------------------|
| KCELMIA08BA01  | Cabinet "Elan" Mini Light Grey/Black + FRP Tank 8x17" + accessories             |
| KCELMIA09BA01  | Cabinet "Elan" Mini Light Grey/Black + FRP Tank 9x17" + accessories             |
| KCELMIA10BA01  | Cabinet "Elan" Mini Light Grey/Black + FRP Tank 10x17" + accessories            |
| KCELMIK08BA01  | Cabinet "Elan" Mini Black + FRP Tank 8x17" + accessories                        |
| KCELMIK09BA01  | Cabinet "Elan" Mini Black + FRP Tank 9x17" + accessories                        |
| KCELMIK10BA01  | Cabinet "Elan" Mini black + FRP Tank 10x17" + accessories                       |
| KCELMXA08BA01  | Cabinet "Elan" Maxi light grey/black + FRP Tank 8x35" + accessories             |
| KCELMXA09BA01  | Cabinet "Elan" Maxi light grey/black + FRP Tank 9x35" + accessories             |
| KCELMXA10BA01  | Cabinet "Elan" Maxi light grey/black + FRP Tank 10x35" + accessories            |
| KCELMXK08BA01  | Cabinet "Elan" Maxi black + FRP Tank 8x35" + accessories                        |
| KCELMXK09BA01  | Cabinet "Elan" Maxi black + FRP Tank 9x35" + accessories                        |
| KCELMXK10BA01  | Cabinet "Elan" Maxi black + FRP Tank 10x35" + accessories                       |
| XBTCOPELBK     | Elan – Replacement black cabinet cover with sight glass                         |
| XBTCOPELGR     | Elan – Replacement gray cabinet cover with sight glass                          |
| XBTCOPSALEELBK | Elan – Replacement black salt lid/base                                          |
| XBTELBASEBK    | Elan – Black base replacement with salt opening (without lid, springs or clips) |
| XBTELCCLIPCOP  | Elan – Replacement lid locking clip                                             |
| XBTELMOLLACOP  | Elan - Replacement right-hand lid opening spring                                |
| XBTELMOLLACOS  | Elan - Replacement left-hand lid opening spring                                 |
| XBTELTAPASP    | Elan - Replacement cap and locking ring for cabinet suction connection          |
| XBTELTAPPOZ    | Elan - Replacement well cap                                                     |

## CAB CLACK "CWS"

## Cabinets for water softeners CLACK "CWS" Series



Clack has developed a water softener cabinet that will accept any WS1 or WS1.25 control valve model. Its top sliding cover opens to a large tapered chute for ease of adding salt to the system without removing the cover.

This new design offers a unique flip up access window that allows you to program the valve without removing the cover. A new brine valve/brine well system has been incorporated in the design that allows full access to the brine valve for servicing, without having to disassemble the complete system.

Available in Blue and in Grey.

MINI VERSION - Cabinet dimensions: 52.23 x 35.8 x 70.48 cm

Compatible FRP tanks:  
- 10 x 19" without base.

MAXI VERSION

- Cabinet dimensions: 53.39 x 35.8 x 113.25 cm

Usable FRP tanks

- 8 x 35" without base - 9 x 35" without base  
- 10 x 35" without base - 12 x 35" without base

| Item-Nr:   | Description:                                              |
|------------|-----------------------------------------------------------|
| J2B18E     | Cabinet Clack CWS 18" bottom asy, light gray with 474 asy |
| J2B35E     | Cabinet Clack CSW 35" bottom asy, light gray with 474 asy |
| J2TCWS-HEH | Cabinet Clack CSW top asy, light gray with 474 asy        |

## CAB "EU"

## Cabinets for water softeners "EU" Series



### EU Series Softener Cabinet

The EU series is the ideal solution for those looking for an economical softener cabinet without sacrificing practicality, durability, and efficiency. Designed for residential and light commercial applications, the EU cabinet combines compact dimensions, easy installation, and excellent compatibility with different tank configurations.

Manufactured with a strong and functional structure, it is available in two versions to suit different capacity and space requirements.

### Main Features

- Compact and functional design
- Economical and reliable solution
- Easy installation and maintenance
- Compatible with different tank configurations
- Ideal for domestic softeners and small professional systems
- Materials suitable for contact with drinking water
- Certified according to D.M. 174 regulations for potable water applications

### MINI VERSION

Compact and versatile, ideal for installations with limited space.

### Dimensions:

480 × 320 × 112 mm

### Compatible tanks:

- 7" × 17"
- 8" × 17"
- 9" × 17"

### MAXI VERSION

Designed for systems requiring greater capacity and autonomy.

### Dimensions:

480 × 320 × 112 mm

### Compatible tanks:

- 7" × 35"
- 8" × 35"
- 9" × 35"

| Item-Nr:      | Description:                                                              |
|---------------|---------------------------------------------------------------------------|
| BTEC01MXC1V   | Cabinet "EU" Maxi 480x320x1130 white/light blue (empty w/out accessories) |
| BTEU02MIC1V   | Cabinet "EU" Mini 480x320x655 white/light blue (empty w/out accessories)  |
| BTVETREU      | Sight glass for EU cabinet cover                                          |
| XBTCOPEUAZ    | Cover for Cabinet "EU" without plastic transparent plate                  |
| XBTCOPSALEUGR | Salt cover for Cabinet "EU"                                               |



## CAB "MC" MICRO CABINET MICRO Cabinet for water softeners (BG-NT)



BG Mini Cabinet Model

Dimensions: 40,8 × 28 × 35.5 cm  
Compatible with tanks: 5-6-7-8-9" × 13"

Compact softener cabinet made of durable shock-resistant PE material. Its ergonomic and modern design allows easy installation even in limited spaces, ensuring both functionality and aesthetics. Ideal as a brine cabinet for compact softeners, it provides quick and easy access to internal components during maintenance and inspection operations. The moulded structure guarantees strength, long-lasting durability and space optimisation.



NT Mini Cabinet Model

Dimensions: 43 × 22.5 × 33.5 cm  
Compatible with tanks: 5-6-7" × 13"

Compact and ergonomic softener cabinet made of sturdy shock-resistant PE- material. Designed to optimise installation spaces, it represents a practical and elegant solution for compact softeners. The resistant structure and high-quality materials ensure reliability and long service life, while easy access to internal components simplifies routine maintenance operations.

| Item-Nr:    | Description:                                                          |
|-------------|-----------------------------------------------------------------------|
| BTBG05MNSCV | Brine cabinet Mod. Mod. "BG" Mini 7x13"-6x13" (Empty) 40,8x28x35.5 cm |
| BTNT05MNSCV | Brine cabinet Mod. "NT" Mini 7x13"-6x13" (Empty) 40,3x22,5x35,5 cm    |

## AIR-IN

## Air injectors



Air injection fitting with threaded connections and hose barb

Venturi-type air injection fitting with threaded inlet and outlet connections and hose barb air intake.

Designed for automatic air suction in water treatment systems, it enables air/water mixing through a vacuum effect generated by water flow.

An ideal solution for oxidation and filtration systems, it helps remove iron, manganese and hydrogen sulfide, improving overall filtration performance.

The hose barb connection allows a simple and secure connection to the air suction line, optionally equipped with a check valve and air filter.

| Item-Nr:    | Description:                                                        |
|-------------|---------------------------------------------------------------------|
| PTMF609F034 | Injection sleeve threaded 3/4" M w/hose nozzle - flow rate 1-2 m3/h |
| PTMF612F100 | Injection sleeve threaded 1" M w/hose nozzle - flow rate 5 m3/h     |

|             |                                                                         |
|-------------|-------------------------------------------------------------------------|
| PTMF613F112 | Injection sleeve threaded 1 1/2" M w/hose nozzle - flow rate 15-20 m3/h |
| PTMF614F200 | Injection sleeve threaded 2" M w/hose nozzle - flow rate 35-40 m3/h     |

## ACCESSORIES FOR BRINE TANKS AND CABINETS

### WELL

### Accessories for brine cabinets, brine tanks and softeners



Brine wells for cabinets and brine tanks

Available in different heights and configurations to fit various cabinet and brine tank models.

Brine wells designed to house and protect suction and safety systems inside softener cabinets and brine tanks. Made of high-resistance plastic material, they ensure reliability, long service life and easy installation. Ideal for containing float valves, air check systems and brine suction components, they provide safe and efficient brine level management during softener regeneration cycles.

| Item-Nr:     | Description:                                                                     |
|--------------|----------------------------------------------------------------------------------|
| BTPS100030   | Brine well Ø10cm H41cm for brine tank 30 l - cab. DIA mini - UNI mini - EVO mini |
| BTPS100075   | Brine well Ø10cm H82cm for brine tank 75 l - cab. EU maxi                        |
| BTPS100100   | Brine well Ø10cm H105cm for brine tank 100 L                                     |
| BTPS100100BL | Brine well Ø10cm H60cm for brine tank 100 L short and large                      |
| BTPS100150   | Brine well Ø10cm H72cm for brine tank 150 L                                      |
| BTPSMAX086   | Brine well Ø10cm H86cm for cabinet DIA maxi - UNI maxi - EVO maxi                |
| BTPSMIN038   | Brine well Ø10cm H38cm for cab. EU mini                                          |
| BTTAPPS      | Lid for brine well diameter 100 mm                                               |
| BTTS100200   | Brine well Ø10cm H96cm for brine tank 200 L                                      |
| BTTS100300   | Brine well Ø16cm H97cm for brine tank 300 L - 520 L                              |
| BWCSES038    | Brine well Ø10cm H38cm grey for cabinet Essence mini                             |
| BWCSES072    | Brine well Ø10cm H72cm grey for cabinet Essence maxi                             |

## QUICK FIT PP TP

## Right angle overflow hose fitting



| Item-Nr:    | Description:                           |
|-------------|----------------------------------------|
| PPQPP0202W  | 1/2" right angle overflow hose fitting |
| PPQPP0602W  | 3/4" right angle overflow hose fitting |
| XADTP038PTG | 3/8" right angle overflow hose fitting |

## BRINE VALVES

## Brine valves



Brine valves and aircheck systems for softeners and brine tanks

Brine valves and aircheck systems designed for the control and management of brine suction in water softening systems. Essential components for proper regeneration cycles, they ensure reliability, safety and accurate operation.

Manufactured from high-resistance materials and compatible with the main softener cabinets and brine tanks, they provide brine level control and protection against unwanted air suction or overflow.

Available in different configurations, heights and connection sizes to suit residential, commercial and industrial applications.

| Item-Nr:      | Description:                                                                                   |
|---------------|------------------------------------------------------------------------------------------------|
| BTAC1600088   | Air Check with 3/8" connection fitting with Ø 3/8" tubing (1600), height 88,5 cm               |
| BTAC1600115   | Air Check with 3/8" connection fitting with Ø 3/8" tubing (1600), height 115 cm                |
| BTAC1600165   | Air Check with 3/8" connection fitting with Ø 3/8" tubing (1600), height 165 cm                |
| BTAC1700110   | Air Check 1/2" connection fitting with Ø 27 tubing (1700), height 110 cm                       |
| H7070-484-36T | Clack 484 brine valve with safety float, no air check, 3/4" connection, h 36"                  |
| H7070-484-54T | Clack 484 brine valve with safety float, no air check, 3/4" connection, h 54"                  |
| SBV1600037    | Brine valve with safety float, separate rods, air check, 3/8" connection, Ø 3/8" tube, h 37 cm |
| SBV1600070    | Brine valve with safety float, separate rods, air check, 3/8" connection, Ø 3/8" tube, h 70 cm |
| SBV1600081    | Brine valve with safety float, separate rods, air check, 3/8" connection, Ø 3/8" tube, h 81 cm |
| SBV1600120    | 434-N brine valve with safety float and air check, 3/8" connection, Ø 3/8" tube, h 120 cm      |
| SBV1700150    | 454-1 brine valve with safety float and air check, 1/2" connection, Ø 27" tube, h 150 cm       |



## ION EXCHANGE RESINS AND FILTRATION MEDIA

ION EXCHANGE CATION RESINS - ION EXCHANGE ANION RESINS - MIXED BED ION EXCHANGE RESINS -  
ION EXCHANGE RESIN FOR ARSENIC REMOVAL - RESINS FOR WATER HARDNESS AND IRON REMOVAL -  
OTHER FILTRATION MEDIA - INERT MATERIAL

## ION EXCHANGE CATION RESINS

### High Pure TC C-107 NaFG Strongly Acidic Cation Ion Exchange Resin

High Pure TC C-107 NaFG Premium foodgrade strongly acidic cation ion exchange resin for softening



High Pure TC C-108 NaF Strong Ion Exchange Resin for Water Softening  
TC C-107 Food-grade, strong gel-type cation exchange resin used for softening drinking water and water intended for food and beverages. TC C-107NaFG is a premium, food-grade, strong gel-type cation exchange resin made from sulfonated styrene-divinylbenzene (DVB) copolymers with a standard Gaussian particle size distribution. It offers excellent chemical, physical, and thermal stability. Its superior ion exchange kinetics ensures high efficiency in both regenerable and non-regenerable water softeners.

**BASIC CHARACTERISTICS** Application: Drinking water softening, food and beverage softening  
Polymer matrix structure: Divinylbenzene (DVB) cross-linked polystyrene gel  
Appearance: Amber spherical beads  
Functional group: Sulfonic acid  
Ionic form as shipped: Na<sup>+</sup>

#### RECOMMENDED OPERATING CONDITIONS

Maximum operating temperature: 120°C  
pH range: 0-14  
Operating flow rate: 5-50 BV/h  
Regenerant: 10-15% NaCl

#### PHYSICAL AND CHEMICAL PROPERTIES

Total exchange capacity (eq/L): ≥1.9  
Moisture retention (%): 45-53  
Particle size radius (%): 0.315-1.25 mm ≥95  
Whole beads uncrack. after attrition (%): ≥96  
Shipping weight (g/ml): 0.77 - 0.87  
Specific gravity (g/ml): 1.25 - 1.29  
Actual dimensions (mm): 0.4 - 0.6  
Uniformity coefficient: < 1.7  
Reversible swelling, Ca<sup>2+</sup> → Na<sup>+</sup> (%): < 8  
Free moisture (%): < 2

| Item-Nr:        | Description:                                                                                       |
|-----------------|----------------------------------------------------------------------------------------------------|
| HPLLC107025NAFG | High Pure TC C-107 PG Premium Grade strong cationic ion exchange resin 25 L Bags (price per Liter) |



## High Pure TC C-108 NaFG Strongly Acidic Cation Ion Exchange Resin

High Pure TC C-108 NaFG Premium foodgrade strongly acidic cation ion exchange resin for softening



### High Pure TC C-108 NaF

Strong Ion-Exchange Cation Resin for Water Softening TC C-108 Food-grade, strong gel-type cation exchange resin used for softening drinking water and water intended for food and beverages. TC C-108 NaFG is a premium, food-grade, strong gel-type cation exchange resin made from sulfonated styrene-divinylbenzene (DVB) copolymers with a standard Gaussian particle size distribution. It offers excellent chemical, physical, and thermal stability. Its superior ion exchange kinetics ensures high efficiency in both regenerable and non-regenerable water softeners.

### BASIC CHARACTERISTIC S

Application: Drinking water softening, food and beverage softening  
Polymer matrix structure: Divinylbenzene-crosslinked polystyrene gel (DVB)  
Appearance: Amber spherical beads  
Functional group: Sulfonic acid/ionic form as shipped: Na+

### RECOMMENDED OPERATING CONDITIONS

Maximum operating temperature: 120°C  
pH range: 0-14  
Operating flow rate: 5-50 BV  
Regenerant: 10-15% NaCl

### PHYSICAL AND CHEMICAL PROPERTIES

|                                                             |                   |
|-------------------------------------------------------------|-------------------|
| Total exchange capacity (eq/L):                             | ≥1.9              |
| Moisture retention (%):                                     | 45-53             |
| Particle size radius (%):                                   | 0.315-1.25 mm ≥95 |
| Whole beads uncracked after attrition (%)                   | ≥ 96              |
| Shipping weight (g/ml)                                      | 0.77 - 0.87       |
| Specific gravity (g/ml)                                     | 1.25 - 1.29       |
| Actual dimensions (mm)                                      | 0.4 - 0.6         |
| Uniformity coefficient                                      | < 1.7             |
| Reversible swelling, Ca <sup>2+</sup> → Na <sup>+</sup> (%) | < 8               |
| Free moisture (%)                                           | < 2               |
| 8 Free moisture (%)                                         | < 2               |

| Item-Nr:        | Description:                                                                                       |
|-----------------|----------------------------------------------------------------------------------------------------|
| HPLLC108025NAFG | High Pure TC C-108 PG Premium Grade strong cationic ion exchange resin 25 L Bags (price per Liter) |

## High Pure TC C-108U NaFG Monodisperse Strongly Acidic Cation Ion Exchange Resin

High Pure TC C-108U NaFG MONOSPHERE  
(monodisperse) Premium foodgrade strongly acidic  
cation ion exchange resin for softening



### High Pure TC C-108U

NaF Strong ion exchange resin, monospere (monodispersed), for softening TC C-108U Food-grade, gel-type, strong cation exchange resin used for softening drinking water and water intended for food and beverages. TC C-108U is a food-grade, gel-type, strong cation exchange resin, produced from sulfonated styrene-divinylbenzene (DVB) copolymers with a uniform particle size. This uniform particle size ensures greater operating capacity, faster kinetics, and more effective brine regeneration compared to conventional resins with standard Gaussian particle size distributions. Its excellent ion exchange kinetics provide high efficiency for use in both regenerable and non-regenerable softeners.

### BASIC CHARACTERISTICS

Application: Water softening for drinking water, food, and beverages  
Polymer matrix structure: Divinylbenzene (DVB) cross-linked polystyrene gel  
Appearance: Amber-colored spherical beads  
Functional group: Sulfonic acid/ionic form as shipped: Na<sup>+</sup>

### RECOMMENDED OPERATING CONDITIONS

Maximum operating temperature: 120°C  
pH range: 0-14  
Operating flow rate: 5-50 BV/h  
Regenerant: 10-15% NaCl

### PHYSICAL AND CHEMICAL PROPERTIES

Total exchange capacity (eq/L) ≥1.99  
Moisture retention (%): 45-53  
Particle size radius (%): 0.315-1.25 mm  
≥95  
Whole beads uncracked after attrition (%) ≥ 96  
Shipping weight (g/ml) 0.77 - 0.87  
Specific gravity (g/ml) 1.25 - 1.29  
Actual dimensions (mm) 0.4 - 0.6  
Uniformity coefficient < 1.7  
Reversible swelling, Ca<sup>2+</sup> → Na<sup>+</sup> (%) < 8  
Free moisture (%) < 2

| Item-Nr:          | Description:                                                                                |
|-------------------|---------------------------------------------------------------------------------------------|
| HPLLC108U025NAFGM | High Pure TC C-108U Premium Grade strong cationic (Monodispersed) resin 25 L Bags (price/L) |



## High Pure D-790 H<sup>+</sup> Macroporous Strong Cation Ion Exchan Resin

## High Pure TC D-790 H<sup>+</sup> Macroporous Strong Cation Ion Exchange Resin


**HIGH PURE™**

High Pure TC D-790H<sup>+</sup> is a high-quality, gel-type, strong cation resin made from sulfonated styrene-divinylbenzene (DVB) copolymers with a standard Gaussian size distribution. Its macroporous structure enables it to adsorb soluble organic molecules and resist osmotic and mechanical shock as well as oxidation. TC D-790 resin in hydrogen form is used for a variety of demineralization applications, including condensate polishing.

### BASIC CHARACTERISTICS

Application: Softening, demineralization

Polymer matrix structure: Macroporous polystyrene cross-linked with divinylbenzene (DVB)

Appearance: Light brown spherical beads

Functional group: Sulfonic acid

Ionic form as shipped: H<sup>+</sup>

### RECOMMENDED OPERATING CONDITIONS

Maximum operating temperature □

90°C

pH range □

0-14

Operating flow rate □

5-170 BV/h

Regenerant □

4-10% HCl (H<sup>+</sup>)

### PHYSICAL AND CHEMICAL PROPERTIES

Total exchange capacity (eq/L) □

≥1.7

Moisture retention (%) □

48-58

Particle size (%) □

0.315-1.25 mm ≥95

Beads not cracked after attrition (%) □

≥96

Shipping weight (g/ml) □

0.74-0.80

Specific gravity (g/ml) □

1.16-1.24

Effective dimension (mm) □

0.4-0.6

Uniformity coefficient □

<1.7

Reversible swelling, Na<sup>+</sup> → H<sup>+</sup> (%) □

<5

| Item-Nr:       | Description:                                                                                                 |
|----------------|--------------------------------------------------------------------------------------------------------------|
| HPLLD790025HFG | High Pure TC D-790 H <sup>+</sup> Macroporous strong cationic ion exchange resin 25 L Bags (price per Liter) |

## High Pure TC D-113 FG H<sup>+</sup> Macroporous Weak Cation Ion Exchan Resin

High Pure TC D-113 FG H<sup>+</sup> macroporous weak cation resin for the softening and dealkalization of drinking water and water intended for the food and beverage industry



### HIGH PURE™

High Pure TC D-113 FG macroporous weak cation resin

Used for the softening and dealkalization of drinking water and water intended for the food and beverage industry. TC D-113 FG H<sup>+</sup> is a food-grade, macroporous, weak-acid ion-exchange cation resin with a polyacrylic matrix and standard Gaussian particle size distribution.

TC D-113 FG H<sup>+</sup> complies with US FDA regulation 21 CFR 173.25 and is NSF/ANSI 44 certified by NSF International. It is designed to remove temporary hardness and alkalinity (carbonates, bicarbonates, and hydroxides) from water. During the process, bicarbonates are converted to carbon dioxide, improving the taste of the treated water. Its high total and operating capacity, combined with excellent exchange kinetics, makes it particularly suitable for use in small cartridges for filter jugs.

#### BASIC CHARACTERISTICS

Application: Softening and dealkalization of drinking water and water for food and beverages

Polymer matrix structure: Macroporous acrylic cross-linked with divinylbenzene (DVB)

Appearance: Opaque, light yellow spherical beads

Functional group: Carboxylic acid

Ionic form upon delivery: H

#### RECOMMENDED OPERATING CONDITIONS

|                                |           |
|--------------------------------|-----------|
| Maximum operating temperature: | 120°C     |
| pH range:                      | 5-4       |
| Flow rate:                     | 5-40 BV/h |
| Regenerant:                    | 3-6% HC   |

#### PHYSICAL AND CHEMICAL PROPERTIES

|                                 |                        |
|---------------------------------|------------------------|
| Total exchange capacity (eq/L)  | ≥ 4.4                  |
| Moisture retention (%):         | 45-52                  |
| Particle size distribution (%): | ≥ 95% (0.315- 1.25 mm) |
| )                               |                        |
| Friction-free beads (%)         | ≥ 96                   |
| Shipping weight (g/ml)          | 0.74 - 0.80            |
| Real density (g/ml)             | 1.14 - 1.20            |
| Effective size (mm)             | 0.4 - 0.6              |
| Uniformity coefficient          | < 1.7                  |

| Item-Nr:       | Description:                                                                                 |
|----------------|----------------------------------------------------------------------------------------------|
| HPLLD113025HFG | High Pure TC D-113 FG H <sup>+</sup> FG macroporous weak cation resin 25 L bag (Price per L) |

## High Pure C42D-108 H<sup>+</sup> Strongly Acidic Cation Ion Exchange Resin

High Pure C42D-108 H<sup>+</sup> strongly acidic cation exchange  
resin for demineralization

**HIGH PURE™**



High Pure H<sup>+</sup> Strong Cation Ion Exchange Resin for Two-Stage Demineralization C42D-108™ is a high-quality, strong cation resin containing sulfonic acid groups with high exchange capacity combined with excellent physical and chemical stability and operating characteristics. It is ideal for use over a wide range of pH and temperature conditions. C42D-108™ is supplied in hydrogen form for two-stage and mixed-bed demineralization. It is also used for dealkalization and chemical processing.

**BASIC CHARACTERISTICS**

Application: Two-stage and mixed-bed demineralization

Matrix structure: Polystyrene copolymer

Functional group: Nuclear sulfonic acid

Physical form: Wet spherical beads

Ionic form: Hydrogen

### RECOMMENDED OPERATING CONDITIONS

|                               |                                                          |
|-------------------------------|----------------------------------------------------------|
| Maximum operating temperature | 120°C in H-form                                          |
| Resin bed depth (minimum)     | 800 mm                                                   |
| Maximum operating flow rate   | 120 m <sup>3</sup> /hr/m <sup>3</sup>                    |
| Backwash expansion range      | 40-75%                                                   |
| Backwash expansion flow rate  | 40-70%                                                   |
| Regenerant                    | HCl / H <sub>2</sub> SO <sub>4</sub>                     |
| Regeneration level            | 30-160 g/l                                               |
| Regenerant concentration      | 1.5 to 5% H <sub>2</sub> SO <sub>4</sub>                 |
| Regenerant Flow Rate:         | 2 to 16 m <sup>3</sup> /h/m <sup>3</sup>                 |
| Regeneration Time:            | 20 to 60 minutes                                         |
| Rinse Flow Rate:              | Slow = regeneration flow rate / Fast = service flow rate |
| Rinse Volume:                 | 3-5 m <sup>3</sup> /m <sup>3</sup>                       |

### PHYSICAL AND CHEMICAL PROPERTIES

|                                |                                  |
|--------------------------------|----------------------------------|
| Total Exchange Capacity:       | 1.8 meq/ml min                   |
| Moisture Content:              | 52 ± 3%                          |
| Screen Size: USS (wet):        | 16 to 50                         |
| Particle Size (95% min):       | 0.3 to 1.2 mm                    |
| Swelling (approx.):            | Sodium hydrogen 7%               |
| pH Range:                      | 0 to 1                           |
| Solubility:                    | Insoluble in all common solvents |
| Density: Adjusted by Backwash: | From 830 to 8                    |

| Item-Nr:     | Description:                                                                                        |
|--------------|-----------------------------------------------------------------------------------------------------|
| HPTMC42D025H | HP C42D-108 PG Sstrong cationic ion exchange resin for demineralization 25 L Bags (price per Liter) |

## High Pure D42 Cation Macroporous Polystyrene Chelating Ion Exchange Resin

## High Pure D42 Macroporous Polystyrene Chelating Ion Exchange Resin

### HIGH PURE™



#### High Pure Macroporous Chelating Resin

D42 Chelating Resin is a chelating resin based on iminodiacetate functional groups, designed for the selective removal of multivalent metal ions, particularly copper and heavy metals, from process water and industrial wastewater. It comes in light yellow spherical beads with high exchange capacity and excellent mechanical and chemical stability. It operates effectively over a wide pH range (6-11) and temperature range (0-100°C), ensuring high performance even under harsh operating conditions. Thanks to its high selectivity and good swelling resistance, it is ideal for wastewater treatment applications containing heavy metals. D42 Resin is equivalent to Amberlite IRC747, Bayer TP260, and Purolite S930, making it a valid alternative compatible with major ion exchange systems on the market.

#### BASIC CHARACTERISTICS

Main Applications: Treatment of wastewater containing heavy metal ions, high selectivity towards multivalent cations  
 Type: Ion-exchange chelating cation resin  
 Functional group: Iminodiacetate  
 Ionic form: Na  
 Appearance: Light yellow spherical beads  
 Reference standards: Q/320281, NAN06-1997  
 International equivalents: Amberlite IRC747 - Bayer TP260 - Purolite S930

#### RECOMMENDED OPERATING CONDITIONS

|                                 |             |
|---------------------------------|-------------|
| pH range:                       | 6 - 11      |
| Operating temperature:          | 0 - 100°C   |
| Operating flow rate:            | 15 - 45 m/h |
| Maximum swelling (H form → Na): | 40%         |

#### PHYSICAL AND CHEMICAL PROPERTIES

|                                                  |                                           |
|--------------------------------------------------|-------------------------------------------|
| Total exchange capacity:                         | ≥ 1.95 meq/g (Chelated Cu <sup>2+</sup> ) |
| Volume exchange capacity (Cu <sup>2+</sup> form) | ≥ 0.6 meq/ml                              |
| Volume exchange capacity (H form)                | ≥ 2.4 meq/ml                              |
| Water retention                                  | 52-58%                                    |
| Bulk density                                     | 0.72-0.78 g/ml                            |
| True density                                     | 1.15-1.25 g/ml                            |
| Particle size distribution (0.4-1.25 mm)         | ≥ 95%                                     |
| Effective size                                   | 0.50-0.80 mm                              |
| Uniformity coefficient                           | ≤ 1.60                                    |

| Item-Nr:    | Description:                                                                      |
|-------------|-----------------------------------------------------------------------------------|
| HPJSCC42025 | High Pure D42 Macroporous Polystyrene Chelating Resin 25 L Bags (price per liter) |

## ION EXCHANGE ANION RESINS

### High Pure TA D-465 Type I Anion Macroporous Ion Exchange Resin selective for Nitrate Removal

### High Pure TA D-465 Type I Anion selective Macroporous Ion Exchange Resin for Nitrate Removal



**HIGH PURE™**

Selective ion exchange resin for nitrate removal TA D-465 is a premium-grade, macroporous, Type I, strong-base anion exchange resin with a polystyrene matrix and a quaternary amine functional group (triethylamine), featuring a standard Gaussian size distribution. TA D-465 exhibits strong selectivity for nitrate removal and reduced selectivity for other anions such as sulfates, chlorides, and bicarbonates. TA D-465 is designed for the removal of nitrates and nitrites from drinking water.

#### BASIC CHARACTERISTICS

Application: Nitrate and nitrite removal

Polymer matrix structure: Macroporous polystyrene cross-linked with divinylbenzene (DVB)

Appearance: Opaque, white and pale yellow spheres

Functional group: Quaternary amine, type I (triethylamine) ionic form at shipment: Cl<sup>-</sup>

#### RECOMMENDED OPERATING CONDITIONS

Maximum operating temperature:

60°C

pH range:

3-9

Service flow rate:

5-15 BV/h

Regenerant:

8-10% NaCl

#### PHYSICAL AND CHEMICAL PROPERTIES

Total exchange capacity (eq/L):

≥ 0.8

Moisture retention (%):

50-60

Sphere size range (%): 0.315-1.25 mm

≥ 95

Whole spheres not cracked after abrasion (%)

≥ 96

Apparent density (g/ml)

0.65 - 0.75

Specific density (g/ml)

1.05 - 1.10

Actual dimensions (mm)

0.4 - 0.6

Coefficient of homogeneity

<1.7

Free moisture (%)

<2

| Item-Nr:      | Description:                                                                                            |
|---------------|---------------------------------------------------------------------------------------------------------|
| HPLLD465025CL | High Pure TA D-465 Macroporous strongly anion resin for nitrate ions removal 25 l bag (Price per liter) |

## High Pure TA D-301 Weak Base Anion Ion Exchange Resin

## High Pure TA D-301 Premium grade Resin weak base anion exchange resin


**HIGH PURE™**

High Pure TA D-301 Macroporous Weak-Based Anion Resins is a premium-grade, macroporous, weak-base ion-exchange anion resin with a polystyrene matrix and tertiary amine functional groups (dimethylamine), characterized by a standard Gaussian particle size distribution. Its macroporous structure allows for the adsorption of soluble organic molecules and ensures high resistance to osmotic and mechanical shock, as well as oxidation. The weak-base functionality allows for simple and efficient regeneration, even using spent caustic soda from the regeneration of strong-base anion resins. For this reason, TA D-301 is particularly suitable for multi-bed demineralizers, where it helps extend the service life of strong-base anion resins and prevent organic fouling.

### BASIC CHARACTERISTICS

Application: Demineralization (deionization) of water, removal of strong acids  
 Polymer matrix structure: Macroporous polystyrene cross-linked with divinylbenzene (DVB)  
 Appearance: Opaque, beige spherical beads  
 Functional group: Tertiary amine (dimethylamine)  
 Ionic form as supplied: Free base

### RECOMMENDED OPERATING CONDITIONS

|                                |           |
|--------------------------------|-----------|
| Maximum operating temperature: | 60°C      |
| pH range:                      | 0-9       |
| Flow rate:                     | 5-40 BV/h |
| Regenerant:                    | 2-4% NaOH |

### PHYSICAL AND CHEMICAL PROPERTIES

|                                                    |                        |
|----------------------------------------------------|------------------------|
| Total exchange capacity (eq/L)                     | ≥ 1.45                 |
| Moisture retention (%):                            | 48-58                  |
| Particle size distribution (%):                    | ≥ 95% (0.315-1.25 mm ) |
| Friction-intact beads (%)                          | ≥ 96                   |
| Apparent density (g/ml)                            | 0.65 - 0.72            |
| True density (g/ml)                                | 1.03 - 1.06            |
| Effective dimension (mm)                           | 0.4 - 0.6              |
| Uniformity coefficient                             | < 1.7                  |
| Reversible swelling (free base → Cl <sup>-</sup> ) | < 20%                  |
| Free moisture (%)                                  | < 2                    |

| Item-Nr:     | Description:                                                                                     |
|--------------|--------------------------------------------------------------------------------------------------|
| HPLLD301025M | High Pure TA D-301 Premium grade Resin weak base anion exchange resin 25 l bag (Price per liter) |

## MIXED BED ION EXCHANGE RESINS

### High Pure High Pure TY MB11-E Mixed Bed Ion Exchange Resin (1:1)

### High Pure TY MB11-E Mixed Bed Resin (50% anion-50% cation)



**HIGH PURE™**

#### High Pure TY MB11-E Mixed Bed Resin

Applications: dental equipment, camera lens cleaning, metal cleaning, laboratory ultrapure water preparation, and the beverage industry.

TY MB11-E is a high-quality mixed bed resin composed of strong acid cation resin in the H<sup>+</sup> form and strong base type I anion resin in the OH<sup>-</sup> form, supplied ready to use. It is designed for mixed bed deionization applications requiring high resistivity and capacity, and is particularly suitable for dental equipment, camera lens cleaning, metal cleaning, laboratory ultrapure water production, and the beverage industry.

#### BASIC FEATURES

Application: MB11-E Heavy metal removal (industrial usage)

Polymer matrix structure: Gel polystyrene crosslinked with divinylbenzene (DVB)

Appearance: Amber, spherical beads

Functional Group: Sulfonic Acid / Quaternary Ammonium, Type 1

Ionic form as shipped: H<sup>+</sup> / OH<sup>-</sup>

#### SUGGESTED OPERATING CONDITIONS

Max operating temperature

60°C / 140°F

pH range

2 – 12

Minimum bed depth

>600mm

Maximum pressure loss

25 psi

Service flow rate

8 - 40 BV/h

#### PHYSICAL AND CHEMICAL PROPERTIES

Total exchange capacity Cation/Anion (eq/L)

≥1.9 / ≥1.0

Moisture retention (%)

55 – 60

Particle size range (%)

0.40 - 1.25 mm ≥ 95

Whole uncracked beads after attrition (%)

≥ 95

Shipping weight (g/ml)

0.69 - 0.75

Volume ratio Cation / Anion MB11-E

50% / 50%

Uniformity coefficient

<1.7

| Item-Nr:      | Description:                                                                      |
|---------------|-----------------------------------------------------------------------------------|
| MC01RLMSQMB51 | High Pure TY MB11-E Mixed Bed Resin (50% anion-50% cation) 25 L bag (Price per L) |



## High Pure TY MB115-E Mixed Bed Ion Exchange Resin (1:15)

High Pure TY MB115-E Mixed Bed Resin (60% anion - 40% cation)



**HIGH PURE™**

High Pure TY MB115-E Mixed Bed Resin (60% anion - 40% cation)  
Applications: dental equipment, camera lens cleaning, metal cleaning, laboratory ultrapure water preparation, and the beverage industry.

TY MB115-E is a high-quality mixed bed resin composed of strong acid cation resin in the H<sup>+</sup> form and strong base type I anion resin in the OH<sup>-</sup> form, supplied ready to use.  
It is designed for mixed bed deionization applications requiring high resistivity and capacity, and is particularly suitable for dental equipment, camera lens cleaning, metal cleaning, laboratory ultrapure water production, and the beverage industry.

### BASIC FEATURES

Application MB115-E Distilled water for batteries, irons, cosmetics  
Polymer matrix structure Gel polystyrene crosslinked with divinylbenzene (DVB)

Appearance Amber, spherical beads

Functional Group Sulfonic Acid / Quaternary Ammonium, Type 1

Ionic form as shipped H<sup>+</sup> / OH<sup>-</sup>

### SUGGESTED OPERATING CONDITIONS

|                           |              |
|---------------------------|--------------|
| Max operating temperature | 60°C / 140°F |
| pH range                  | 2 – 12       |
| Minimum bed depth         | >600mm       |
| Maximum pressure loss     | 25 psi       |
| Service flow rate         | 8 - 40 BV/h  |

### PHYSICAL AND CHEMICAL PROPERTIES

|                                             |                     |
|---------------------------------------------|---------------------|
| Total exchange capacity Cation/Anion (eq/L) | ≥1.9 / ≥1.0         |
| Moisture retention (%)                      | 55 – 60             |
| Particle size range (%)                     | 0.40 - 1.25 mm ≥ 95 |
| Whole uncracked beads after attrition (%)   | ≥ 95                |
| Shipping weight (g/ml)                      | 0.69 - 0.75         |
| Volume ratio Cation / Anion MB115-E         | 40% / 60%           |
| Uniformity coefficient                      | <1.7                |

| Item-Nr:       | Description:                                                                       |
|----------------|------------------------------------------------------------------------------------|
| MC01RLMSQMB51w | High Pure TY MB115-E Mixed Bed Resin (60% anion-40% cation) 25 L bag (Price per L) |



## High Pure TY MB112-E Mixed Bed Ion Exchange Resin (1:12)

High Pure TY MB112-E Mixed Bed Resin (65% anion-35% cation)



**HIGH PURE™**

High Pure TY MB112-E Mixed Bed Resin (65% anion - 35% cation)

Applications: dental equipment, camera lens cleaning, metal cleaning, laboratory ultrapure water preparation, and the beverage industry.

TY MB12-E is a high-quality mixed bed resin composed of strong acid cation resin in the H<sup>+</sup> form and strong base type I anion resin in the OH<sup>-</sup> form, supplied ready to use. It is designed for mixed bed deionization applications requiring high resistivity and capacity, and is particularly suitable for dental equipment, camera lens cleaning, metal cleaning, laboratory ultrapure water production, and the beverage industry.

**BASIC FEATURES** Application MB12-E After reverse osmosis, to remove CO<sub>2</sub> from permeate water Polymer matrix structure Gel polystyrene crosslinked with divinylbenzene (DVB) Appearance Amber, spherical beads Functional Group Sulfonic Acid / Quaternary Ammonium, Type 1 Ionic form as shipped H<sup>+</sup> / OH<sup>-</sup>

### SUGGESTED OPERATING CONDITIONS

|                           |              |
|---------------------------|--------------|
| Max operating temperature | 60°C / 140°F |
| pH range                  | 2- 12        |
| Minimum bed depth         | >600mm       |
| Maximum pressure loss     | 25 psi       |
| Service flow rate         | 8 - 40 BV/h  |

### PHYSICAL AND CHEMICAL PROPERTIES

|                                             |                     |
|---------------------------------------------|---------------------|
| Total exchange capacity Cation/Anion (eq/L) | ≥1.9 / ≥1.0         |
| Moisture retention (%)                      | 55 – 60             |
| Particle size range (%)                     | 0.40 - 1.25 mm ≥ 95 |
| Whole uncracked beads after attrition (%)   | ≥ 95                |
| Shipping weight (g/ml)                      | 0.69 - 0.75         |
| Volume ratio Cation / Anion MB12-E          | 35% / 65%           |
| Uniformity coefficient                      | <1.7                |

| Item-Nr:       | Description:                                                                      |
|----------------|-----------------------------------------------------------------------------------|
| MC01RLMSQMB51r | High Pure TY MB12-E Mixed Bed Resin (65% anion-65% cation) 25 L bag (Price per L) |

## ION EXCHANGE RESIN FOR ARSENIC REMOVAL

### High Pure TA A-306 Food Grade Selective Ion Exchange Resin for Arsenic Removal

### High Pure TA A-306 Food Grade Selective Ion Exchange Resin for Arsenic Removal



**HIGH PURE™**

TA A-306 Macroporous anion exchange resin selective for arsenic

Used for the removal of arsenate and arsenite TA A-306 is a premium-quality macroporous anion exchange resin containing hydrated iron oxide nanoparticles embedded within a polystyrene matrix, with a standard Gaussian particle size distribution. It is specifically designed for the removal of both arsenate and arsenite.

Arsenic is initially captured through ion exchange and subsequently adsorbed by the iron oxide dispersed within the polymer structure. TA A-306 exhibits fast kinetics for arsenic removal and is capable of reducing arsenic concentration to below 10 ppb.

#### KEY FEATURES

Application: Removal of arsenate and arsenite

Polymer matrix structure: Macroporous polystyrene crosslinked with divinylbenzene (DVB)

Appearance: Opaque red or brown spherical beads

Functional group: FeO(OH)

#### RECOMMENDED OPERATING CONDITIONS

Maximum operating temperature:

90°C

pH range:

5.0 - 9.5

Service flow rate:

5 - 10 BV/h

Regenerant: NaOH + NaCl:

2% + 2%

#### PHYSICAL AND CHEMICAL PROPERTIES

Total exchange capacity (eq/L):

≥ 2.0

Water retention (%):

50 - 65

Particle size range (%):

0.315 - 1.25 mm ≥ 95

Undamaged whole beads after abrasion (%):

≥ 96

Bulk density (g/mL):

0.70 - 0.86

Specific gravity (g/mL):

1.12 - 1.28

Effective size (mm):

0.4 - 0.6

Uniformity coefficient:

< 1.7

Free moisture (%):

< 2

| Item-Nr:      | Description:                                                                                   |
|---------------|------------------------------------------------------------------------------------------------|
| HPLLA306025FG | High Pure TA A-306 Selective Ion Exchange Resin for Arsenic Removal 25 l bag (Price per liter) |

## INERT MATERIAL

### INERT MATERIAL

### Inert material type I2

#### QL INERT WHITE SPHERE

##### 1. Indexes of Physical and Chemical Properties:

Characteristics Appearance Cylindrical form

Particle Size mm Length  $1.4 \pm 0.1$  Diameter  $1.3 \pm 0.1$

Special Density g/ml 0.88-0.92 Bulk Density g/ml 0.50-0.57

Heat Resistance °C  $\leq 100$  Wearability %  $\geq 99.5$

Acid-base Soluble Matter %  $\leq 0.3$  Ph Range 0-14

2. Application: This product is mainly used to fix bed, reverse flow regeneration bed and double floating bed. The product is widely used in chemical industry, power industry, metallurgical industry, medicine industry, etc. The product can treat technical problem in water treatment and save 20% ion exchange resin and acid-base.

3. Remark: Inert polymer in cylindrical form for upflow counter-current collection systems to prevent strainer

blockage. 4. International Equivalents: BAYER IN42 PUROLITE IP4 AMBERLITE RF14 DOWEX XZ46287

5. Packing: Each PE lined with plastic bag, net weight: 25L or 20 KG

| Item-Nr:      | Description:           |
|---------------|------------------------|
| HPJISINQL2025 | Inert material type I2 |

## OTHER FILTRATION MEDIA

### GAC-Mineral Granular Activated Carbon

### Granular Activated Carbon (Mineral)



Granular activated carbon, obtained from a careful selection of mineral-based carbon varieties. Thermal activation in an inert atmosphere gives the product high porosity and excellent adsorption capacity for many categories of organic pollutants. Thanks to these characteristics, the carbon is particularly suitable for the purification of drinking water, wastewater, and for numerous industrial processes. The product complies with UNI ISO EN 12915, relating to granular activated carbons for the treatment of drinking water.

#### Properties

Moisture (ASTM D2867): 3%  
 Ash content (ASTM D2866): 11%  
 Bulk density (ASTM D2854): 470 kg/m<sup>3</sup> ± 20  
 Specific surface area (BET method): 1000 m<sup>2</sup>/g  
 Iodine number (AWWA B600-78): 950 mg/g  
 Phenol number (AWWA B600): 2.3 g/L  
 Methylene blue (Spectrophotometric UNICHIM 182): 230 mg/g  
 pH (ASTM D3838): Alkaline  
 Particle size Mesh  
 - 8×30:  
 > 8 mesh (2.4 mm) max → 5%  
 < 30 mesh (0.6 mm) max → 5%

| Item-Nr:     | Description:                                                             |
|--------------|--------------------------------------------------------------------------|
| MCGAC0830CGB | Mineral granular activated carbon 8×30, 25 kg bags, grade B              |
| MCYAC0304CIL | Granular activated carbon (coal) in small cylinders 3-4 mm in 25 Kg bags |

## GAC-VEGETAL GRANULAR ACTIVATED CARBON

### Granular Activated Carbon (Vegetal)



Granular activated carbon, obtained from a highly selective range of coconut shell-based carbon. Thermal activation in an inert atmosphere provides the product with high porosity and excellent adsorption capacity for many categories of organic contaminants. Due to these characteristics, it is particularly suitable for water treatment and the purification of process fluids. The product complies with UNI ISO EN 12915, relating to granular activated carbons for the treatment of drinking water.

#### Properties

Moisture at packaging (ASTM D2867): max. 5%  
 Ash content (ASTM D2866): max. 4%  
 Bulk density (ASTM D2854): 520 kg/m<sup>3</sup> ± 20  
 Specific surface area (BET method): 1150 m<sup>2</sup>/g  
 Iodine number (AWWA B600-78): > 1000 mg/g  
 Methylene blue (Spectrophotometric): 200 mg/g  
 pH (ASTM D3838): Alkaline  
 Particle size : Mesh 8×30  
 8 mesh (2.4 mm): max. 5%  
 < 30 mesh (0.6 mm): max. 5%

| Item-Nr:      | Description:                                                    |
|---------------|-----------------------------------------------------------------|
| MCGAC0830CVGB | Vegetal (Coconut) granular activated carbon, 8x30 bags of 25 kg |

## Antracite

## Anthracite



### FILTER ANTHRACITE

Filter anthracite is a high-performance filtration media produced from carefully selected raw materials, suitable for both pressure and gravity filtration systems. Thanks to its porous structure, excellent mechanical strength, and low bulk density, it effectively removes suspended solids, turbidity, algae, and other particulate contaminants from water. It is widely used in the treatment of drinking water, industrial and process water, swimming pool water, and in applications involving acidic or alkaline liquids.

Often employed in multimedia filtration systems together with silica sand or other filter media, anthracite provides increased solids holding capacity and enhanced filtration efficiency.

#### Key Benefits

- High suspended solids retention capacity.
- Effective reduction of turbidity and particulate matter.
- Excellent resistance to abrasion and repeated backwashing.
- Low attrition loss and long service life.
- Suitable for potable, industrial, and process water applications.
- Ideal for multimedia filters and high-efficiency filtration systems.

### Applications

- Drinking water treatment.
- Industrial and process water filtration.
- Swimming pool water treatment systems.
- Pre-filtration for advanced water treatment processes.
- Removal of algae, turbidity, and suspended solids.
- Treatment of acidic and alkaline liquids.

Filter anthracite is a reliable and durable filtration medium designed for applications requiring high performance, low operating costs, and long service life.

It is an excellent choice for achieving efficient and consistent filtration results across a wide range of water treatment processes.

| Item-Nr:    | Description:                                                                |
|-------------|-----------------------------------------------------------------------------|
| MFANT0283M2 | Anthracite filtration media granulometry 1.2-2.4 - 25 Kg bag (price per Kg) |
| MFANT0816M2 | Anthracite filtration media granulometry 0,8-1,6 - 25 Kg bag (price per Kg) |

## CSG-OXYPURE™ Pirolusite-Biossido di manganese

## CSG-OXYPURE™ Manganese dioxide (Pyrolusite) Iron and manganese removal



**CSG**  
CELTIS WATER  
**CSG-OXYPURE™**  
Manganese Dioxide  
Iron, Manganese, Hydrogen Sulfide, Reduction  
Media – 20 x 40 Mesh  
Batch.No.220208 14,5 L ( 1/2 Cu.FT)  
Handling and storage instructions  
Net weight 20 Kg

Oxypure™ -PYROLUSITE is a highly selected natural mineral water filtration medium, free of additives and impurities, for use as a catalyst in the oxidation and removal of iron, manganese and hydrogen sulphide. PYROLUSITE is used in pressure or gravity filters mixed from 20% to 50% by volume with sand of suitable granulometry (about 0.5-1.0 / 0.7-1.2 mm), for removal by catalytic oxidation of iron and manganese from water. Through a natural chemical reaction, Oxypure™ has the ability to help produce clean, high quality water.

Pyrolusite Oxypure™ works by oxidizing iron, manganese and hydrogen sulfide in problem water. The trapped particulate matter is then removed from the material bed during the backwash cycle. To maintain and further improve the long-term performance and removal capacity of the medium, it is recommended to feed with some type of oxidant. This will help maintain support and improve removal ability. Injecting chlorine (options include chlorine, sodium hypochlorite, or calcium hypochlorite) immediately upstream of the filter is a simple and effective way to meet this recommendation. Other good oxidants include air injection, potassium permanganate, sodium permanganate, etc.

Hydrogen peroxide is absolutely prohibited for use as an oxidant. It is important that the Oxypure™ bed is properly backwashed to ensure adequate bed expansion and continuous service life. It is recommended to install Oxypure™ with a gravel bed and backwash daily.

### GENERAL TECHNICAL FEATURES

Appearance: granules  
Color: dark brown  
Particle size: 0.355 0.850mm  
Bulk density: 2,000 g / l  
Hardness (Moh's scale): 3,5 mm  
Manganese content: 80%

### METHOD OF USE

Add 20% to 50% by volume of pyrolusite in a sand bed with 1.2 mm. , 1.0 / 0.7 , particle size 0.5 Backwash to allow uniform mixing of the two media and to ensure, in filtration, the maximum contact time between the water and the catalytic bed. The filter bed must be washed gently not exceeding 25 m3 / m2 / h. The typical filtration speed must not exceed 10 m / h. A catalytic bed with the characteristics described above has pressure drops and expansion in counter-current washing, comparable to a filter bed composed only of sand of the same size.

Packaging: 25 Kgs bags

| Item-Nr:        | Description:                                            |
|-----------------|---------------------------------------------------------|
| MCMNO2PIR025000 | Manganese dioxide (Pyrolusite) 25 Kg bag - Price per kg |

## Greensand Plus

## GreenSand Plus Manganese Greensand (Silicate coated with MnO<sub>2</sub>)



GreensandPlus TM is a black filter media used for removing soluble iron, manganese, hydrogen sulfide, arsenic and radium from groundwater supplies. The manganese dioxide coated surface of GreensandPlus acts as a catalyst in the oxidation reduction reaction of iron and manganese.

The silica sand core of GreensandPlus allows it to withstand waters that are low in silica, TDS and hardness without breakdown.

GreensandPlus is effective at higher operating temperatures and higher differential pressures than standard manganese greensand. Tolerance to higher differential pressure can provide for longer run times between backwashes and a greater margin of safety. Systems may be designed using either vertical or horizontal pressure filters, as well as gravity filters. GreensandPlus is a proven technology for iron, manganese, hydrogen sulfide, arsenic and radium removal. Unlike other media, there is no need for extensive preconditioning of filter media or lengthy startup periods during which required water quality may not be met.

GreensandPlus is an exact replacement for manganese greensand. It can be used in CO or IR applications and requires no changes in backwash rate or times or chemical feeds. GreensandPlus has the WQA Gold Seal Certification for compliance with NSF/ANSI 61.

Packaging is available in 1/2 cubic foot bags

### PHYSICAL CHARACTERISTICS

Physical Form : Black, nodular granules shipped in a dry form

Apparent Densit 88 pounds per cubic foot net

Shipping Weight 90 pounds per cubic foot gross

Specific Gravity Approximately 2.4

Porosity Approximately 0.45

Screen Grading (dry) 18 X 60 mesh

Effective Size 0.30 to 0.35 mm

Uniformity Coefficient Less than 1.60

pH Range 6.2-8.5 (see General Notes)

Maximum Temperature No limit

Backwash Rate Minimum 12 gpm/sq. ft. at 55°F (see expansion chart)

Service Flow Rate 2 – 12 gpm/sq. ft.

Minimum Bed Depth 15 inches of each media for dual media beds or 30 inches of GreensandPlus alone.

| Item-Nr:    | Description:                                                 |
|-------------|--------------------------------------------------------------|
| MCMGSR01400 | Greensand Plus(Manganese Greensand) 14,15 l bags (Bag price) |



## Filter-Ox™

## Filter-Ox™ Manganese Greensand (Silicate coated with MnO<sub>2</sub>)



Filter-Ox™ is a highly effective filter media capable of reducing iron, manganese and hydrogen sulfide from water through oxidation and filtration. Soluble iron and manganese are oxidized and precipitated by contact with the catalytic coating on the Filter-Ox™ granules. The hydrogen sulfide is oxidized to an insoluble sulfur precipitate. Precipitates are then filtered and removed by backwashing.

Filter-Ox™ is an engineered media that utilizes a super high purity manganese dioxide coating bonded to a durable, lightweight silica substrate. Manganese dioxide is a powerful oxidizer and Filter-Ox™ contains more manganese dioxide than other manganese based filter medias.

Manufactured in the USA, Filter-Ox™ contains almost no fines and does not require long initial backwash times. A standard sterilization treatment using chlorine is all that is needed at start up.

Untreated water should periodically be monitored for raw water parameters.

Treated water should periodically be monitored for manganese, iron and hydrogen sulfide shortly before a regeneration and immediately after a regeneration to monitor how the filter system is functioning. Elevated treated water concentrations before regeneration may mean that the filter media reduction capacity has been exceeded. Take corrective actions as necessary. Low pH or high pH are the most likely conditions leading to media destruction.

### ADVANTAGES

- Iron reduction over wide pH range
- Effective reduction of hydrogen sulfide in addition to iron and/or manganese
- No harmful effects from a chlorine feed
- Low attrition for long bed life

### PHYSICAL PROPERTIES

- Bulk Density: 84 lbs./cu. ft.
- Effective Size: .56 mm
- Uniformity Coefficient: 1.51
- Moisture: <1%
- Particle Shape: Sub-Angular
- Color: Grey to black granules

### CONDITIONS FOR OPERATION

- Water pH range: 6.2-8.5
- Maximum water temperature: 100°F/38°C
- Bed depth: 30 in.
- Freeboard: 40% of bed depth (min.)
- Service flow rate: 2-12 gpm/sq. Ft. Continuous
- Backwash flow rate: 12 gpm/sq. Ft. At 55°F, warmer waters require higher flow rates
- Free chlorine concentration less than .5 ppm

| Item-Nr:    | Description:                                                                          |
|-------------|---------------------------------------------------------------------------------------|
| MCFOX014100 | Filter-Ox™ manganese dioxide for iron-manganese removal-14,15 l=½ cu.ft l (bag price) |

## BIRM® REGULAR

## BIRM® Media for Iron Removal



Birm® is an efficient and economical filtration media for the reduction of dissolved iron and manganese compounds in water. It can be used in both gravity-fed and pressurized water treatment systems. Birm acts as an insoluble catalyst that enhances the reaction between dissolved oxygen (D.O.) and iron compounds. In groundwater, dissolved iron is typically present as ferrous bicarbonate due to excess free carbon dioxide and cannot be removed by simple filtration. By acting as a catalyst between oxygen and soluble iron compounds, Birm accelerates the oxidation of  $Fe^{++}$  to  $Fe^{+++}$  and promotes the formation of ferric hydroxide, which precipitates and can be easily removed through filtration. The physical characteristics of Birm provide an excellent filtration medium that can be easily cleaned by backwashing to remove accumulated precipitates. Since Birm is not consumed during the iron removal process, it offers a significant economic advantage over many other iron removal methods.

### Key Benefits of Birm

- Long media life with relatively low attrition loss.
- Wide operating temperature range and exceptionally high removal efficiency.
- Low operating and labor costs, as Birm requires no chemicals for regeneration; only periodic backwashing is necessary.

### ADVANTAGES :

- Under the proper conditions, no chemicals to purchase for maintenance. Regeneration not required.
- Iron removal efficiency is extremely high.
- Negligible labor cost: only periodic backwashing required.
- Durable material with a long life and wide temperature range.
- Weighs only 35-40 lbs./cu. Ft.

### PHYSICAL PROPERTIES

- Color: Black
- Bulk Density: 35-40 lbs./cu. Ft.
- Mesh Size: 10 x 40
- Specific Gravity: 2.0 gm/cc
- Effective Size: 0.48 mm
- Uniformity Coefficient: 2.7

| Item-Nr:  | Description:                                           |
|-----------|--------------------------------------------------------|
| MC00010BM | BIRM Catalytic iron remover 28,3 l bag (price per bag) |

## Filter AG-Filter zeolite

## Filter AG filter medium for turbidity removal



Clack Filter-Ag® offers numerous advantages over conventional granular filtration media commonly used for the removal of suspended solids. Its fractured edges and irregular surface provide a high surface area and a complex flow path, ensuring efficient removal of suspended matter throughout the entire filter bed, typically reducing suspended solids to a range of 20–40 microns. The larger particle size of Filter-Ag results in lower pressure loss through the filter and allows deeper sediment penetration into the media bed, increasing dirt-holding capacity and extending filter run times. Its broad and irregular particle shape prevents surface screening and sediment loading in the upper layers of the bed, as often occurs with conventional sand filters. This helps prevent rapid head loss buildup and media blinding. The lightweight nature of Filter-Ag requires lower backwash rates while providing excellent bed expansion, effectively releasing trapped sediments and thoroughly cleaning the media during backwashing. Although not specifically designed as an iron removal media, field experience has shown that the rough and irregular surface of Filter-Ag is highly effective at capturing fragile iron flocs formed after dissolved iron has been oxidized. Typical oxidation methods include aeration, ozonation, and chlorination. Its low pressure drop, high service flow rates, high solids loading capacity, and reduced backwash requirements enable savings in equipment sizing and lower pumping costs. Its lightweight composition also reduces handling and transportation expenses. Thanks to its unique density, Filter-Ag can also be used in multimedia filtration systems (graded-density filters), providing greater flexibility in addressing a wide range of filtration challenges.

### ADVANTAGES

- There is less pressure loss through a bed of Filter-Ag® than through most other filter medias
  - Light weight requires lower backwash rates than those required for other filter medias
  - High service rates result in lower equipment costs and a savings in space
  - High sediment reduction capacity results in longer filter runs, with a substantial savings in backwash water and time out of service
  - Reduced shipping cost due to light weight/cu. ft.
  - Replacement of sand with Filter-Ag in existing installations may increase filter capacity 100% or more.
- (Caution should be taken upon start-up that the lightweight Filter-Ag is not washed to drain.)

### PHYSICAL PROPERTIES

- Color: Light grey to near white
- Bulk Density: 24-26 lbs./cu. ft.
- Specific Gravity: 2.25 gm/cc
- Mesh Size: 10 x 34
- Effective Size: 0.67 mm
- Uniformity Coefficient: 2.1 ±0.1
- Hardness: 6 (Mohs scale)

| Item-Nr:     | Description:                                        |
|--------------|-----------------------------------------------------|
| MCFAGT028300 | FILTER AG filtration media , 28,3 l bag (Bag price) |

## Filter AG-Filter AG Plus zeolite

## Filter AG - Filter AG Plus filter medium for turbidity removal



Clack Filter-Ag Plus is a unique natural ore called clinoptilolite that has many outstanding advantages over common granular filter sands and multimedia used for suspended solids reduction. Viewed under an electron scanning microscope, the granules reveal an angular shape, rough surface and microporous void spaces as small as 3 microns. This creates a surface area over 100 times greater than silica sand. The angularity of the granules and the tapered internal pore spaces allow for reduction of dirt, silt and organic matter suspended in water by bridging, straining and adhesion. The rough surface and internal porosity provide a high surface area for efficient reduction of suspended matter. Utilizing deep bed filtration can typically reduce suspended solids down to the 5 micron or less range. Filter-Ag Plus' structure typically creates less pressure loss through the filter and allows deeper sediment penetration into the bed for higher sediment loading and longer filter runs. The deep bed filtration capacity of Filter-Ag Plus prevents a rapid buildup of head loss and blinding problems that are associated with typical sand filters. The longer filter run times reduce backwash frequency, which provides conservation of water. This ideal combination of particle shape, texture and porosity make it a good choice where quality water filtration and water conservation are important.

Substantial savings can be realized when designing a system using Clack Filter-Ag Plus. Its low pressure drop, high service flow rates and high bed loadings combined with lower backwash frequency allow economy in equipment downsizing and reduced pumping requirements. Its low density also saves on handling expense and shipping costs. Clack Filter-Ag Plus can be applied to systems designed for either pressure or gravity flow. Because of its unique physical characteristics, Filter-Ag Plus can be used to replace.

### ADVANTAGES

- Deep bed filtration results in superior water quality and reduces the load on downstream equipment.
- High sediment removal capacity results in longer filter runs, with a substantial savings in backwash water and time out of service.
- High service flow rates result in lower equipment costs and a savings in space.
- Reduced shipping cost due to lighter weight/cu.ft.
- Replacement of multimedia with Filter-Ag Plus in existing installations may increase filter capacity.
- Filter-Ag Plus is an all-natural, environmentally safe product.

### PHYSICAL PROPERTIES

- Color: Light tan to near white
- Dry Bulk Density: 50 lbs/cu.ft
- Specific Gravity: 2.2 g/cc
- Mesh Size: 14x30
- Effective Size: 0.55mm
- Uniformity Coefficient: 1.8
- Hardness: 4-5 (Mohs Scale)

| Item-Nr:     | Description:                                             |
|--------------|----------------------------------------------------------|
| MCFAGP028300 | FILTER AG Plus filtration media , 28,3 l bag (bag price) |

## ECOMIX®

## ECOMIX® FILTER MEDIA



ECOMIX® FILTER MEDIA ECOMIX® is a scientifically grounded technology, confirmed by 6 patents and service world-wide since 1998. ECOMIX® works effectively in well water and municipal water within the allowable concentrations of iron and manganese, hardness and natural organic matter. ECOMIX® is a multi-component, complex filter material for softening, and removing major contaminants from well or municipal water. ECOMIX® is a scientifically grounded technology, confirmed by 6 patents and service world-wide since 1998. ECOMIX® consists of five ingredients, including two patented materials.

**SIMPLE SOLUTION FOR 5 PROBLEMS:** hardness, iron, manganese, natural organic matter, ammonium

**ECOMIX® P** For well or tap water with low organic matter. Requires stable quality of water

**ECOMIX® A** For well or tap water with moderate organic matter. Handles seasonal variations in water composition.

**ECOMIX® C** For well or tap water with high organic matter.. Handles seasonal variations in water composition even with significant changes in raw water quality.

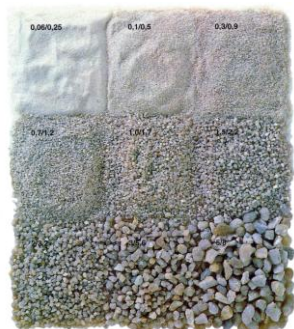
ECOMIX® is certified in EU for compliance with LFGB requirements for foodcontacting materials by TÜV SÜD. Meets the requirements: LFGB, ResAP(2004)3, EU Guideline 2002/72/EG The quality of ECOMIX® is confirmed by the Gold Seal certificate (USA), which proves its safety in contact with drinking water.

ECOMIX® is certified in compliance with NSF/ANSI standards:  
NSF/ANSI 61 Drinking Water System Components – Health Effects  
NSF/ANSI 44 Residential Cation Exchange Water Softeners  
NSF/ANSI 372 Drinking Water System Components – Lead Content

| Item-Nr:     | Description:                                                                        |
|--------------|-------------------------------------------------------------------------------------|
| MCECOMIXA012 | ECOMIX® A Filter medium for the treatment of well water and tap water - 12 L        |
| MCECOMIXA025 | ECOMIX® A Filter medium for the treatment of well water and tap water - 25 L        |
| MCECOMIXC012 | ECOMIX® C media for treatment of well water with high organic matter content - 12 L |
| MCECOMIXC025 | ECOMIX® C media for treatment of well water with high organic matter content - 25 L |
| MCECOMIXP012 | ECOMIX® P Filter medium for the treatment of well water and tap water - 12 L        |
| MCECOMIXP025 | ECOMIX® P Filter medium for the treatment of well water and tap water - 25 L        |

## Quarzo sferico

## Spherical quartz gravel



### ALLUVIAL SPHEROIDAL QUARTZ

Crystalline quartz purity: 98.80%

Bulk density (apparent specific gravity): 1.68 g/cm<sup>3</sup>

### PHYSICAL CHARACTERISTICS

Crystal structure: Trigonal

Grain shape: Rounded (alluvial)

Color: Light gray

Hardness (Mohs scale): 7

| Item-Nr:    | Description:                                                |
|-------------|-------------------------------------------------------------|
| MCQS0103S25 | Spherical quartz gravel granulometry 1,5x2 mm (25 Kg bag)   |
| MCQS0115S25 | Spherical quartz gravel granulometry 1,0x1,5 mm (25 Kg bag) |
| MCQS0203S25 | Spherical quartz gravel granulometry 2x3 mm (25 Kg bag)     |
| MCQS0305S25 | Spherical quartz gravel granulometry 3x5 mm (25 Kg bag)     |
| MCQS0508S25 | Spherical quartz gravel granulometry 5x8 mm (25 Kg bag)     |
| MCQS0812S25 | Spherical quartz gravel granulometry 8X12 mm (25 Kg bag)    |
| MCQSX4X9S25 | Spherical quartz gravel granulometry 0,4x0,7 mm (25 Kg bag) |
| MCQSX712S25 | Spherical quartz gravel granulometry 0,7X1,2 mm (25 Kg bag) |



## Polifosfato in cristalli

## Polyphosphate crystals 25 Kg bag



### POLYPHOSPHATE CRYSTALS

Polyphosphate crystals are used in water treatment applications to prevent limescale formation and reduce corrosion in water distribution systems and water-using equipment.

Thanks to their sequestration properties, they stabilize calcium, magnesium, iron, and manganese, helping to limit deposits, scaling, and staining.

Used in proportional dosing units, the crystals dissolve gradually, providing continuous protection for pipes, boilers, water heaters, heat exchangers, and plumbing systems.

### Key Benefits

- Prevents limescale formation.
- Reduces corrosion of metal surfaces.
- Stabilizes iron and manganese in solution.
- Protects systems and equipment.
- Easy to use in crystal dosing units.
- Reduces maintenance requirements.

### Applications

- Residential and industrial plumbing systems.
- Boilers and water heaters.
- Heat exchangers.
- Domestic hot water systems.
- Proportional water treatment dosing systems.

Polyphosphate crystals provide a simple and effective solution for protecting water systems against scale and corrosion, improving efficiency and extending equipment service life.

| Item-Nr:  | Description:                                            |
|-----------|---------------------------------------------------------|
| MCPC250BM | Polyphosphate crystals - 25 Kg packaging (Price per Kg) |

## Sale per addolcitori

## Tablet salt for water softeners



Tablet salt for water softeners, highly purified and compacted to ensure high efficiency in the resin regeneration process.

It supports the proper operation of water softening systems, preventing limescale formation and improving the quality of treated water.

Available in 10 kg and 25 kg bags, practical and suitable for various applications.

Prices on request.

| Item-Nr:       | Description:                                          |
|----------------|-------------------------------------------------------|
| MCNACLSAL010ST | Water softening tablet salt, 10 kg bag – price per kg |
| MCNACLSAL025ST | Water softening tablet salt, 25 kg bag – price per kg |



## UV SYSTEMS AND ACCESSORIES

UV SYSTEMS WITH 2-PINS LAMPS DELTA LIGHT - C-Light UV SYSTEMS 4-PINS LAMPS C-Light - PSL 4-PIN UV SYSTEMS



## UV SYSTEMS WITH 2-PINS LAMPS DELTA LIGHT

### UV - DELTA LIGHT

### UV Sterilizers - Delta Light



The DELTA LIGHT series consists of UV sterilization systems designed for water disinfection through high-efficiency ultraviolet irradiation. The reactors, manufactured in SS304 stainless steel, ensure high corrosion resistance and reliable operation in residential, commercial, and light industrial applications.

The systems use Philips 2+2 pin UV lamps with standard output and provide a UV dose of 30 mJ/cm<sup>2</sup>, effective for the inactivation of bacteria, viruses, and microorganisms in water.

#### TECHNICAL SPECIFICATIONS

Power supply: 220V - 60Hz  
 Operating temperature: 2 ÷ 40 °C  
 Maximum operating pressure: 10 bar (145 psi)  
 UV dose: 30 mJ/cm<sup>2</sup>  
 Reactor chamber: SS304 stainless steel  
 Lamps: Philips UV 2+2 pin, standard output

#### CERTIFICATIONS

SGS - CE - cULus Listed - RoHS compliant.

| Item-Nr:      | Description:                                                                                |
|---------------|---------------------------------------------------------------------------------------------|
| UVDL004W304SB | UV sterilization system DL 4W (0,30GPM) - 70 l/h - 1/4" in/out - 50,8x200 mm                |
| UVDL006W304S  | UV sterilization system DL 6W (0,50 GPM) - 114 l/h - 1/4" in/out - 50,8x255 mm              |
| UVDL011W304SB | UV sterilization system DL 11W (1 GPM) - 227 l/h - 1/4" in/out - 50,8x255 mm                |
| UVDL016W304SB | UV sterilization system DL 16W (2 GPM) - 454 l/h - 1/4" in/out - 63,5x370 mm                |
| UVDL025W304S  | UV sterilization system DL 25W (6 GPM) - 1363 l/h - 1/2" in/out - 63,5x508 mm               |
| UVDL030W100S  | UV sterilization system DL 30W (8 GPM) - 1817 l/h - 1" in/out - 63,5x965 mm                 |
| UVDL030W304S  | UV sterilization system DL30W (8 GPM) - 1817 l/h - 3/4" in/out - 63,5x965 mm                |
| UVDL055W0304S | UV sterilization system DL 55W (12 GPM) - 2727 l/h - 3/4" in/out - 63,5x965 mm              |
| UVDL055W100S  | UV sterilization system DL 55W (12 GPM) - 2727 l/h - 1" in/out - 63,5x965 mm                |
| UVDL110W100   | UV sterilization system DL VDS 110W (24 GPM) - 5451 l/h - 1" in/out - 108x965 mm            |
| UVDL110W304S  | UV sterilization system DL 110W with display (24 GPM) - 5451 l/h - 1" in/out - 108x965 mm   |
| UVDL165W304S  | UV sterilization system DL 165W with display (36 GPM) - 8176 l/h - 1,5" in/out - 133x965 mm |
| UVDL220W304S  | UV sterilization system 220W with display (48 GPM) - 10902 l/h - 1,5" in/out - 133x965 mm   |
| UVDL275W304S  | UV sterilization system DL 275W with display (60 GPM) - 13627 l/h - 2" in/out - 168x965 mm  |
| UVDL330W304S  | UV sterilization system DL 330W with display (72 GPM) - 16353 l/h - 2" in/out - 965 mm      |

## ACCESSORI PER UV - DELTA LIGHT

## Accessories for UV - Delta Light



| Item-Nr:     | Description:                                                             |
|--------------|--------------------------------------------------------------------------|
| UVTAPINF55W  | Lower end cap for 55 W UV sterilizer in chrome-plated aluminium – solid  |
| UVTAPSUP55W  | Upper end cap for 55 W UV sterilizer in chrome-plated aluminium – hollow |
| XUVBA006EU   | Ballast for 4-6 W UV System EU 2-Pin Plug                                |
| XUVBA016EU   | Ballast for 11-16 W UV System EU 2-Pin Plug                              |
| XUVBA025EU   | Ballast for 25 W UV System                                               |
| XUVBA030EU   | Ballast for 30 W UV System                                               |
| XUVBA055EU   | Ballast for 55 W UV System                                               |
| XUVBA165EU   | Ballast for 165 W UV System EU 2-Pin Plug                                |
| XUVC004W     | UV lamp connection cable 4 W                                             |
| XUVC006011   | UV lamp connection cable 6-11 W                                          |
| XUVC016      | UV lamp connection cable 16 W                                            |
| XUVC025W     | UV lamp connection cable 25 W                                            |
| XUVCL055W    | UV lamp connection cable 30–55 W                                         |
| XUVL0006PH   | UV Spare lamp 6 W Philips                                                |
| XUVL0011PH   | UV Spare lamp 11 W Philips                                               |
| XUVL0016PH   | UV Spare lamp 16 W Philips                                               |
| XUVL0025PH   | UV Spare lamp 25 W Philips                                               |
| XUVL0030PH   | UV Spare lamp 30 W Philips                                               |
| XUVL004PH    | UV Spare lamp 4 W Philips                                                |
| XUVL0055PH   | UV Spare lamp 55 W Philips                                               |
| XUVSOR253055 | O-ring for UV quartz sleeve 25–30–55 W                                   |
| XUVSOR4611   | O-ring for UV quartz sleeve 4–6–11–16 W                                  |
| XUVTQ004EU   | Quartz sleeve for 4 W UV System                                          |
| XUVTQ006EU   | Quartz sleeve for 6 W UV System                                          |
| XUVTQ011EU   | Quartz sleeve for 11 W UV System                                         |
| XUVTQ016EU   | Quartz sleeve for 16 W UV System                                         |
| XUVTQ025WEU  | Quartz sleeve for 25 W UV System                                         |
| XUVTQ040065  | Quartz sleeve for 30-55-65 W UV System                                   |

## C-Light UV SYSTEMS 4-PINS LAMPS C-Light

### UV-Systems - C-Light Plus    UV-Systems - C-Light Plus Series Multi-Lamp Multi-Lamp Series



The UV-CL MULTI series includes multi-lamp UV sterilizers designed for water disinfection through ultraviolet radiation at 254 nm. Manufactured in SS304 stainless steel with mirror-polished internal surface, the systems use mercury vapor UV lamps driven by independent electronic ballasts to ensure high germicidal efficiency and operational reliability.

The range covers flow rates from 0.2 m³/h up to 280 m³/h and features an IP54 LED control panel, dedicated electronic board for each lamp, and high-quality quartz sleeves.

#### MAIN FEATURES

- SS304 stainless steel body
- Mirror-polished internal surface
- IP54 LED control panel
- Dedicated electronic board for each lamp
- High-transparency quartz sleeves
- Lamp hour counter
- LED operating indicator
- 75W UV lamps

#### TECHNICAL SPECIFICATIONS

- Operating temperature: 2 ÷ 45 °C
- Operating pressure: 2 ÷ 10 bar
- Fe: <0.2 mg/L
- Mn: <0.05 mg/L
- TDS: <10 mg/L
- UV transmittance: 95%
- Power supply: 220 - 230V / 50 - 60Hz
- Lamp lifetime: 9000 hours

| Item-Nr:      | Description:                                                                                  |
|---------------|-----------------------------------------------------------------------------------------------|
| UVCL0390W304S | UV sterilization system UV CL390 W (6 l x65 W)- 33000 l/h -3" in/out-219x850 mm 400x500x875   |
| UVCL0520W304S | UV sterilization system UV CL520 W (8 l x65 W)- 43000 l/h -3" in/out-219x850 mm 400x500x875   |
| UVCL0780W304S | UV sterilization system UV CL780 W (12 l x65 W)- 65000 l/h -4" in/out-273x895 mm 700x500x245  |
| UVCL1040W304S | UV sterilization system UV CL1040 W (16 l x65 W)- 86000 l/h -4" in/out-324x895 mm 845x500x240 |

## ACCESSORI PER UV - 4 PIN UV accessories – C-Light



| Item-Nr:    | Description:                                                                     |
|-------------|----------------------------------------------------------------------------------|
| GPH436T5/4  | UV Lamp 21 W- 4 Pins Ø15X436MM 425mA 62V 72 uW / cm2 7.3 W 10.000 HR             |
| GPH810T5L4C | UV Lamp 39w-4 pin ø15x810mm 425ma 115v 130uw / cm2 14.5w 10.000 hr               |
| XUVL00654P  | UV Lamp 65w-4 pin ø15x843mm                                                      |
| XUVL007549  | UV Lamp 75w-4 pin ø15x843mm                                                      |
| XUVSOR4611  | O-ring for quartz sleeve 39–1045 W 4-pin                                         |
| XUVTQ065CL  | Quartz sleeve for C-Light UV system 65/75 W (for UV-CL models from 39 to 1040 W) |



## INDUSTRIAL AND DOMESTIC RO MEMBRANES AND VESSELS

DOMESTIC REVERSE OSMOSIS MEMBRANES - PVC MEMBRANE HOUSINGS - STAINLESS STEEL MEMBRANE HOUSINGS - INDUSTRIAL MEMBRANE HOUSINGS - INDUSTRIAL REVERSE OSMOSIS MEMBRANES

## DOMESTIC REVERSE OSMOSIS MEMBRANES

### MEMBRANE "CS-G" Series Residential REVERSE OSMOSIS MEMBRANES "CSG-G" Series 2012 - 3012 - 3213 50 - 600 GPD



CSG-G membranes deliver high performance through elevated permeate flow and excellent salt rejection rates. Designed for residential drinking water applications, they provide reliable and consistent operation for reverse osmosis systems. Advanced membrane technology combined with automated manufacturing processes ensures stable long-term performance and durability. CSG-G membranes are supplied in dry condition for extended shelf life and improved storage stability.

| Item-Nr:       | Description:                              |
|----------------|-------------------------------------------|
| MOCSG181205030 | RO membrane CS-G TFC TW 1812 50 GPD       |
| MOCSG181207530 | RO membrane CS-G TFC TW 1812 - 75 GPD     |
| MOCSG201210030 | RO membrane CS-G TFC TW 2012 - 100 GPD    |
| MOCSG2012180XL | RO membrane CS-G TFC TW 2012 XL - 180 GPD |
| MOCSG3012300XL | RO membrane CS-G TFC TW 3012 XL - 300 GPD |
| MOCSG3012400XL | RO membrane CS-G TFC TW 3012 XL - 400 GPD |
| MOCSG3012500XL | RO membrane CS-G TFC TW 3012 XL - 500 GPD |
| MOCSG3213600XL | RO membrane CS-G TFC TW 3213 XL - 600 GPD |

## MEMBRANE "CSG-K" Series

## Residential REVERSE OSMOSIS MEMBRANES "CSG-K" Series



CSG-K membranes provide excellent performance through high permeate flow and outstanding salt rejection rates. Designed for residential drinking water reverse osmosis applications, they ensure reliable and stable long-term operation. Advanced CSG-K membrane technology combined with automated manufacturing processes delivers high efficiency, operational consistency, and extended service life. The membrane elements are supplied dry for improved storage stability and longer shelf life.

**MAXIMUM OPERATING LIMIT**  
 Membrane type: polyamide thin-film composite  
 Maximum temperature: 45 °C  
 Maximum operating pressure: 125 psi (8.6 bar)  
 Maximum feed flow: 2 gpm (7.5 lpm)  
 Maximum SDI: 5.0  
 Free chlorine tolerance: <0.1 ppm

| Item-Nr:       | Description:                               |
|----------------|--------------------------------------------|
| MOCSK2012200XL | RO membrane CSG-K TFC TW 2012 XL - 200 GPD |
| MOCSK2012400XL | RO membrane CSG-K TFC TW 2012 XL - 400 GPD |
| MOCSK3012300   | RO membrane CSG-K TFC TW 3012 - 300 GPD    |
| MOCSK3012400   | RO membrane CSG-K TFC TW 3012 - 400 GPD    |
| MOCSK3012500   | RO membrane CSG-K TFC TW 3012 - 500 GPD    |
| MOCSK3012600   | RO membrane CSG-K TFC TW 3012 - 600 GPD    |



## INDUSTRIAL REVERSE OSMOSIS MEMBRANES

### MEMBRANE VONTRON BW REVERSE OSMOSIS MEMBRANES "VONTRON" BW 2,5" 2,5"



Vontron BW membranes are reverse osmosis elements designed for brackish water treatment in industrial, commercial, and drinking water applications.

#### MAIN FEATURES

- High salt rejection
- High permeate productivity
- Polyamide TFC technology
- Compatible with standard vessels

| Item-Nr:     | Description:                                                             |
|--------------|--------------------------------------------------------------------------|
| MOVULP212521 | RO membrane VONTRON ULP21-2521 300 GPD (1,1m3/d) RJ 99.0% 14 ft2 (1,3m2) |
| MOVULP212540 | RO membrane VONTRON ULP21-2540 750 GPD (2,8m3/d) RJ 99.0% 30 ft2 (2,8m2) |

### MEMBRANE VONTRON BW REVERSE OSMOSIS MEMBRANES "VONTRON" BW 4" 4"



Vontron BW membranes are reverse osmosis elements designed for brackish water treatment in industrial, commercial, and drinking water applications.

#### MAIN FEATURES

- High salt rejection
- High permeate productivity
- Polyamide TFC technology
- Compatible with standard vessels

| Item-Nr:      | Description:                                                                 |
|---------------|------------------------------------------------------------------------------|
| MOVLP1004040  | RO membrane VONTRON LP100-4040 2500 GPD (9,5m3/d) RJ 99.7% 100 ft2 (9,3m2)   |
| MOVLP214040   | RO membrane VONTRON LP21-4040 2800 GPD (10,6m3/d) RJ 99.6% 100 ft2 (9,3m2)   |
| MOVULP1004040 | RO membrane VONTRON ULP100-4040 2800 GPD (10,6m3/d) RJ 99.4% 100 ft2 (9,3m2) |
| MOVULP214021  | RO membrane VONTRON ULP21-4021 950 GPD (3,6 m3/d) RJ 99.0% 36 ft2 (3,3m2)    |
| MOVULP214040  | RO membrane VONTRON ULP21-4040 2600 GPD (9,8m3/d) RJ 99.5% 100 ft2 (9,3m2)   |
| MOVXLP114040  | RO membrane VONTRON XLP11-4040 2600 GPD (9,8m3/d) RJ 99.2% 100 ft2 (9,3m2)   |



## MEMBRANE VONTRON BW REVERSE OSMOSIS MEMBRANES "VONTRON" BW 8" 8"



Vontron BW membranes are reverse osmosis elements designed for brackish water treatment in industrial, commercial, and drinking water applications.

### MAIN FEATURES

- High salt rejection
- High permeate productivity
- Polyamide TFC technology
- Compatible with standard vessels

| Item-Nr:          | Description:                                                                            |
|-------------------|-----------------------------------------------------------------------------------------|
| MOVLP228040       | RO membrane VONTRON LP22-8040 10500 GPD (39,7m3/d) RJ 99.7% 400 ft2 (37,2m2)            |
| MOVLP8040LD       | RO membrane VONTRON LP400-8040 LD 10500 GPD (39,7m3/d) RJ 99,7% 400 ft2 (37,2m2) 34mil  |
| MOVNBW8040LP440   | RO membrane VONTRON LP440-8040 11500 GPD (43,5m3/d) RJ 99.7% 440 ft2 (40.9m2)           |
| MOVNLP8040MAX     | RO membrane VONTRON LP440-8040 MAX 12500 GPD (47,3m3/d) RJ 99.7% 440 ft2 (40.9m2)       |
| MOVNULP328040     | RO membrane VONTRON ULP32-8040-400 10500 GPD (39,7m3/d) RJ 99.5% 400 ft2 (37,2m2)       |
| MOVNULP328040-440 | RO membrane VONTRON ULP32-8040-440 12650 GPD (47,9m3/d) RJ 99.3% 440 ft2 (40,9m2)       |
| MOVNULP8040MAX    | RO membrane VONTRON ULP440-8040 MAX 12000 GPD (45,4m3/d) RJ 99.5% 440 ft2 (40.9m2)      |
| MOVULP228040      | RO membrane VONTRON ULP22-8040 12100 GPD (45,8m3/d) RJ 99.0% 400 ft2 (37,2m2)           |
| MOVULP8040LD      | RO membrane VONTRON ULP400-8040 LD 10500 GPD (39,7m3/d) RJ 99.5% 400 ft2 (37,2m2) 34mil |

## MEMBRANE VONTRON FR REVERSE OSMOSIS MEMBRANES "VONTRON" FR Fouling Resistant



Vontron FR (Fouling Resistant) membranes are reverse osmosis elements specifically designed for applications with high organic load and elevated fouling potential.

### MAIN FEATURES

- High resistance to organic fouling
- Low-adhesion membrane surface
- High permeate productivity
- High salt rejection
- Polyamide TFC technology

| Item-Nr:     | Description:                                                                       |
|--------------|------------------------------------------------------------------------------------|
| MOVFR114040  | RO membrane VONTRON FR11-4040 2200 GPD (8,3m3/d) RJ 99.5% 90 ft2 (8,4m2) 34 mil    |
| MOVNFR128040 | RO membrane VONTRON FR12-8040 10500 GPD (39,7m3/h) RJ 99.5% 400 ft2 (37,2m2) 34mil |

## MEMBRANE VONTRON - SEA WATER

## REVERSE OSMOSIS MEMBRANES "VONTRON" SEA WATER



Vontron SW (Sea Water) membranes are reverse osmosis elements designed for seawater desalination and high-salinity water treatment applications.

### MAIN FEATURES

- High salt rejection
- High permeate productivity
- Polyamide TFC technology
- Resistance to high operating pressures
- Compatible with standard SWRO vessels

| Item-Nr:         | Description:                                                                      |
|------------------|-----------------------------------------------------------------------------------|
| MOVSW112540      | RO membrane VONTRON SW11-2540 600 GPD (2,3m3/d) RJ 99,5% 28 ft2 (2,6m2)           |
| MOVSW228040      | RO membrane VONTRON SW22-8040 6000 GPD RJ 97% (37m2)                              |
| MOVSW4040HR      | RO membrane VONTRON SW4040HR 1600 GPD (6,1m3/d) RJ 99,8% 90 ft2 (8,4m2)           |
| MOVSW4040LE      | RO membrane VONTRON SW4040LE 1900 GPD (7,2m3/h) RJ 99,7% 90 ft2 (8,4m2)           |
| MOVSW8040HR-400  | RO membrane VONTRON SW400-8040 HR 7500 GPD (28,4m3/d) RJ 99,8% 400 ft2 (37,2m2)   |
| MOVSW8040HR-440  | RO membrane VONTRON SW440-8040 HR 8250 GPD (31,2m3/d) RJ 99,8% 440 ft2 (40,9m2)   |
| MOVSW8040LE-400  | RO membrane VONTRON SW400-8040 LE 9000 GPD (34,0m3/d) RJ 99,8% 400 ft2 (37,2m2)   |
| MOVSW8040XHR400  | RO membrane VONTRON SW400-8040 XHR 6000 GPD (22,7m3/d) RJ 99,85% 400 ft2 (37,2m2) |
| MOVSW8040XLE-400 | RO membrane VONTRON SW400-8040 XLE 11000 GPD (41,6m3/d) RJ 99,7% 400 ft2 (37,2m2) |

## PVC MEMBRANE HOUSINGS

### RO MEMBRANE HOUSINGS -RO VESSEL

Residential RO plastic membrane vessels 1812-2012



#### MAIN FEATURES

IN/OUT Connections: 1/8" BSP  
Body: Food-grade polypropylene  
O-ring: NBR compound  
Maximum pressure: 100 psi  
Maximum temperature: 38°C

| Item-Nr:     | Description:                               |
|--------------|--------------------------------------------|
| ROVS2012PLK2 | Plastic RO Membr.vessel 2012 double o-ring |
| XROCHV1812W  | Spanner for RO membrane housing 1812/2012  |

### RO MEMBRANE HOUSINGS -RO VESSEL 3012

Residential RO plastic membrane vessels 3012



#### MAIN FEATURES

IN/OUT Connections: 1/4" BSP  
Body: Food-grade polypropylene  
O-ring: NBR compound  
Maximum pressure: 290 psi  
Maximum temperature: 38°C

| Item-Nr:      | Description:                             |
|---------------|------------------------------------------|
| ROVSGK3012300 | Plastic RO Membr.vessel 3012 200/300 GPD |

## RO MEMBRANE HOUSINGS -RO VESSEL 3213

Residential RO plastic membrane vessels 3213



### MAIN FEATURES

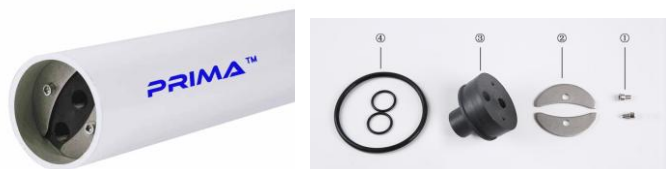
IN/OUT Connections: 3/8" BSP  
Body: Food-grade polypropylene  
O-ring: NBR compound  
Maximum pressure: 290 psi  
Maximum temperature: 38°C

| Item-Nr:     | Description:                         |
|--------------|--------------------------------------|
| ROVSG3213600 | Plastic RO Membr.vessel 3213 600 GPD |

## INDUSTRIAL MEMBRANE HOUSINGS

### FRP MEMBRANE HOUSINGS PRIMA™ 2,5" 300 PSI END PORT

### 2,5" PRIMA™ Series RO membrane vessel END PORT 300 PSI



PRIMA 2.5" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing.

Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.

Certification: NSF, ASME.

#### Specifications

Design pressure: 300 psi (21,7 bar)

Max temperature 66°C

Element lengths: 21"- 40"

Connections : Feed/Concentrate 3/8" - Permeate 1/4" BSPT

#### Material:

FRP body

Head material: AISI 316 (1000 psi), EPDM gaskets

Crescent segments and locking screws in AISI 316

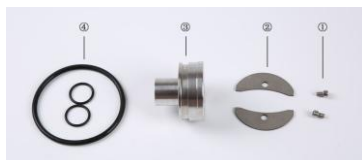
#### Accessories

Support saddles and fixing brackets included

| Item-Nr:       | Description:                                                                       |
|----------------|------------------------------------------------------------------------------------|
| MVA2521E0300WB | PRIMA Membr.vessel 2521 EP 300 PSI -Perm.1/4" BSPT F -F/C 3/8" BSPT F (PP+30%PG)   |
| MVA2540E0300WB | PRIMA Membr.vessel 2540 EP 300 PSI -Perm. 1/4" BSPT F - F/C 1/4" BSPT F (PP+30%PG) |

## FRP MEMBRANE HOUSINGS PRIMA™ 2,5" 1000 PSI END PORT

## 2,5" PRIMA™ Series RO membrane vessel END PORT 1000 PSI



PRIMA 2.5" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.  
Certification: NSF, ASME.

### Specifications

Design pressure: 1000 psi (69 bar)

Max temperature 66°C

Element lengths: 21" - 40"

Connections : Feed/Concentrate 3/8" - Permeate 1/4" BSPT

### Material

Housing: FRP Heads: ABS (300 PSI) SS2205 (1000 psi),

Gaskets : EPDM Crescent segments and locking screws : stainless steel AISI 316

### Accessories

Support saddles and fixing brackets included

| Item-Nr:       | Description:                                                                           |
|----------------|----------------------------------------------------------------------------------------|
| MVA2521E1000WB | PRIMA Membr.vessel 2521 EP 1000 PSI - Perm. 1/4" BSPT F - F/C 3/8" BSPT F (Duplex2205) |
| MVA2540E1000WB | PRIMA Membr.vessel 2540 EP 1000 PSI - Perm. 1/4" BSPT F - F/C 3/8" BSPT F (Duplex2205) |

## FRP MEMBRANE HOUSINGS PRIMA™ 4" 300 PSI END PORT

## 4" PRIMA™ Series RO membrane vessel END PORT 300 PSI



PRIMA 4" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.

Certification: NSF, ASME.

### Specifications

Design Pressure: 300 psi (20.7 bar),

Max temperature 66°C

Element lengths: 40" x (1-4)

Connections: Feed/Conc. 3/4" - Permeate 1/2" BSPT

### Materials

Body : FRP

End caps and fittings: ABS/AISI316

Seals : EPDM

Pressure stoppers and locking screws : AISI 316

### Accessories

Support saddles and fixing brackets include.

Items marked with \* are not in stock (made to order only)

| Item-Nr:        | Description:                                                                     |
|-----------------|----------------------------------------------------------------------------------|
| MVA4021E10300WB | PRIMA Membr.vessel 4" EP 300 PSI 4021 Perm. 1/2" NPTF - F/C 3/4" NPTF (ABS)      |
| MVA4E10300WB    | PRIMA Membr.vessel 4" EP 300 PSI 1 EL. Perm. 1/2" BSPT F - F/C 3/4" BSPT F (ABS) |
| MVA4E20300WB    | PRIMA Membr.vessel 4" EP 300 PSI 2 EL. Perm. 1/2" BSPT F - F/C 3/4" BSPT F (ABS) |
| MVA4E30300WB    | PRIMA Membr.vessel 4" EP 300 PSI 3 EL. Perm. 1/2" BSPT F - F/C 3/4" BSPT F (ABS) |
| MVA4E40300WB    | PRIMA Membr.vessel 4" EP 300 PSI 4 EL. Perm. 1/2" BSPT F - F/C 3/4" BSPT F (ABS) |

## FRP MEMBRANE HOUSINGS PRIMA™ 4" 300 PSI SIDE PORT

## 4" PRIMA™ Series RO membrane vessel SIDE PORT 300 PSI



PRIMA 4" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.  
Certification: NSF, ASME.

### Specifications

Design Pressure: 300 psi (20.7 bar)

Max temperature 66°C

Element lengths: 40" x (1-4)

Connections: Feed/Conc. 3/4" - Permeate 1/2" BSPT

### Materials

Body : FRP

End caps fittings: ABS

Seals : EPDM

Pressure stoppers and locking screws : ABS/AISI 316

### Accessories

Support saddles and fixing brackets include. Items marked with \* are not in stock (made to order only)

| Item-Nr:         | Description:                                                                         |
|------------------|--------------------------------------------------------------------------------------|
| MVA4S10300WB1C7C | PRIMA Membr.vessel 4" SP 300 PSI 1 El. Perm. 3/4" BSPT F - F/C 1" IPS SS316 180°     |
| MVA4S20300WB1C7C | PRIMA Membr.vessel 4" SP 300 PSI 2 El. Perm. 3/4" BSPT F - F/C 1" IPS SS316 180°     |
| MVA4S30300WB1C5C | PRIMA Membr.vessel 4" SP 300 PSI 3 El. Perm. 3/4" BSPT F - F/C 1" IPS SS316 InLine * |
| MVA4S40300WB1C5C | PRIMA Membr.vessel 4" SP 300 PSI 4 El. Perm. 3/4" BSPT F - F/C 1" IPS SS316 InLine * |



## FRP MEMBRANE HOUSINGS PRIMA-SE™ - 4" 300 PSI END PORT

## 4" PRIMA™ Series-SE™ membrane vessel END PORT 300 PSI



PRIMA 4" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.  
Certification: NSF, ASME.

### Specifications

Design Pressure: 300 psi (20.7 bar)

Max temperature 66°C

Element lengths: 40" x (1-4)

Connections: Feed/Conc. 3/4" - Permeate 1/2" BSPT

### Materials

Body : FRP

End caps and fittings: ABS

Seals : EPDM

Pressure stoppers and locking screws : ABS/AISI 316

### Accessories

Support saddles and fixing brackets include.

Items marked with \* are not in stock (made to order only)

| Item-Nr:      | Description:                                                                         |
|---------------|--------------------------------------------------------------------------------------|
| MVSE4E10300WB | PRIMA-SE Membr.vessel 4" EP 300 PSI 1 EL. Perm. 1/2" BSPT F - F/C. 3/4" BSPT F (ABS) |
| MVSE4E20300WB | PRIMA-SE Membr.vessel 4" EP 300 PSI 2 EL. Perm. 1/2" BSPT F - F/C. 3/4" BSPT F (ABS) |

## FRP MEMBRANE HOUSINGS PRIMA™ 4" 450 PSI END PORT

## 4" PRIMA™ Series RO membrane vessel END PORT 450 PSI



PRIMA 4" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.  
Certification: NSF, ASME.

### Specifications

Design Pressure: 450 psi (31 bar)

Max temperature 66°C

Element lengths: 40" x (1-4)

Connections: Feed/Conc. 3/4" - Permeate 1/2" BSPT

### Materials

Body : FRP

End caps and fittings: ABS/AISI 316

Seals : EPDM

Pressure stoppers and locking screws : AISI 316

### Accessories

Support saddles + fixing brackets included with the kit.

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                                                      |
|--------------|-----------------------------------------------------------------------------------|
| MVA4E10450WB | PRIMA Membr.vessel 4" EP 450 PSI 1 EL.Perm.1/2" BSPT F - F/C. 3/4" BSPT F (ABS)   |
| MVA4E20450WB | PRIMA Membr.vessel 4" EP 450 PSI 2 EL.Perm.1/2" BSPT F - F/C. 3/4" BSPT F (ABS) * |
| MVA4E30450WB | PRIMA Membr.vessel 4" EP 450 PSI 3 EL.Perm.1/2" BSPT F - F/C. 3/4" BSPT F (ABS) * |
| MVA4E40450WB | PRIMA Membr.vessel 4" EP 450 PSI 4 EL.Perm.1/2" BSPT F - F/C. 3/4" BSPT F (ABS) * |

## FRP MEMBRANE HOUSINGS PRIMA™ 4" 450 PSI SIDE PORT-

## 4" PRIMA™ Series RO membrane vessel SIDE PORT 450 PSI



PRIMA 4" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.  
Certification: NSF, ASME.

### Technical Specifications

Design Pressure: 450 psi (31 bar)

Max. Temperature 66°C

Element Lengths: 40" x (1-4)

Connections: Feed/Conc. 3/4" - Permeate 1/2" BSPT

### Materials

Body: FRP

End Caps and Fittings: ABS/AISI316

Seals: EPDM

Half-moon segments and locking screws in AISI 316

### Accessories

Support saddles and mounting brackets included.

Items marked with \* are not held in stock (only available on order).

| Item-Nr:         | Description:                                                                         |
|------------------|--------------------------------------------------------------------------------------|
| MVA4S10450WB1C7C | PRIMA Membr.vessel 4" SP 450 PSI 1 EL. Perm. 3/4" BSPT F - F/C 1" IPS SS316 180°     |
| MVA4S20450WB1C7C | PRIMA Membr.vessel 4" SP 450 PSI 2 EL. Perm. 3/4" BSPT F - F/C 1" IPS SS316 180°     |
| MVA4S30450WB1C5C | PRIMA Membr.vessel 4" SP 450 PSI 3 EL. Perm. 3/4" BSPT F - F/C 1" IPS SS316 InLine * |
| MVA4S40450WB1C5C | PRIMA Membr.vessel 4" SP 450 PSI 4 EL. Perm. 3/4" BSPT F - F/C 1" IPS SS316 InLine * |

## FRP MEMBRANE HOUSINGS PRIMA™ 4" 1000 PSI END PORT

## 4" PRIMA™ Series RO membrane vessel END PORT 1000 PSI



PRIMA 4" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.  
Certification: NSF, ASME.

### Specifications

Design Pressure: 1000 psi (69 bar)

Max temperature 66°C

Element lengths: 40" x (1-4)

Connections: Feed/Conc. 3/4" - Permeate 1/2" BSPT

### Materials

Body : FRP

End caps and fittings: stainless steel S2507 Super Duplex

Seals : EPDM

Pressure stoppers and locking screws: stainless steel S2507 Super Duplex.

### Accessories

Support saddles and fixing brackets included.

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                                                     |
|--------------|----------------------------------------------------------------------------------|
| MVA4E11000WB | PRIMA Membr. vessel 4" EP 1000 PSI 1 EL.Perm.½" BSPT F - F/C 3/4" BSPT M SS2507  |
| MVA4E21000WB | PRIMA Membr.vessel 4" EP 1000 PSI 2 EL.Perm.½" BSPT F - F/C 3/4" BSPT M SS2507   |
| MVA4E31000WB | PRIMA Membr.vessel 4" EP 1000 PSI 3 EL.Perm.½" BSPT F - F/C 3/4" BSPT M SS2507*  |
| MVA4E41000WB | PRIMA Membr.vessel 4" EP 1000 PSI 4 EL.Perm.½" BSPT F - F/C 3/4" BSPT M SS2507 * |

## FRP MEMBRANE HOUSINGS PRIMA™ 4" 1000 PSI SIDE PORT

## 4" PRIMA™ Series RO membrane vessel SIDE PORT 1000 PSI



PRIMA 4" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.  
Certification: NSF, ASME.

### Specifications

Design Pressure: 1000 psi (69 bar)

Max temperature 66°C

Element lengths: 40" x (1-4)

Connections: Feed/Conc. 3/4" - Permeate 1/2" BSPT

### Materials

Body : FRP

End caps and fittings: stainless steel S2507 Super Duplex

Seals : EPDM

Pressure stoppers and locking screws: stainless steel S2507 Super Duplex

### Accessories

Support saddles and fixing brackets included.

Items marked with \* are not in stock (made to order only)

| Item-Nr:         | Description:                                                                                   |
|------------------|------------------------------------------------------------------------------------------------|
| MVA4S11000WB1C7C | PRIMA Membr.vessel 4" SP 1000 PSI 1 EL. Perm. 3/4" BSPT F - F/C 1" IPS (S.Duplex2507) 180°     |
| MVA4S21000WB1C7C | PRIMA Membr.vessel 4" SP 1000 PSI 2 EL. Perm. 3/4" BSPT F - F/C 1" IPS (S.Duplex2507) 180°     |
| MVA4S31000WB1C5C | PRIMA Membr.vessel 4" SP 1000 PSI 3 EL. Perm. 3/4" BSPT F - F/C 1" IPS (S.Duplex2507) InLine * |
| MVA4S41000WB1C5C | PRIMA Membr.vessel 4" SP 1000 PSI 4 EL. Perm. 3/4" BSPT F - F/C 1" IPS (S.Duplex2507) InLine * |

## FRP MEMBRANE HOUSINGS PRIMA™ 4" 1200 PSI END PORT

## 4" PRIMA™ Series RO membrane vessel END PORT 1200 PSI



PRIMA 4" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.  
Certification: NSF, ASME.

### Specifications

Design Pressure: 1200 psi (82,7 bar)

Max temperature 66°C

Element lengths: 40" x (1-4)

Connections: Feed/Conc. 3/4" - Permeate 1/2" BSPT

### Materials

Body : FRP

End caps and fittings: stainless steel S2507 Super Duplex

Seals : EPDM

Pressure stoppers and locking screws: stainless steel S2507 Super Duplex

### Accessories

Support saddles and fixing brackets included.

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                                                      |
|--------------|-----------------------------------------------------------------------------------|
| MVA4E1120WB  | PRIMA Membr.vessel 4" EP 1200 PSI 1 EL.Perm.1/2" BSPT F -F/C 3/4" BSPT M SS2507 * |
| MVA4E21200WB | PRIMA Membr.vessel 4" EP 1200 PSI 2 EL.Perm.1/2" BSPT F -F/C 3/4" BSPT M SS2507 * |
| MVA4E31200WB | PRIMA Membr.vessel 4" EP 1200 PSI 3 EL.Perm.1/2" BSPT F -F/C 3/4" BSPT M SS2507 * |
| MVA4E41200WB | PRIMA Membr.vessel 4" EP 1200 PSI 4 EL.Perm.1/2" BSPT F -F/C 3/4" BSPT M SS2507 * |

## FRP MEMBRANE HOUSINGS PRIMA™ 4" 1200 PSI SIDE PORT

## 4" PRIMA™ Series RO membrane vessel SIDE PORT 1200 PSI



PRIMA 4" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc. Certification: NSF, ASME.

### Specifications

Design Pressure: 1200 psi (82,7 bar)

Max temperature 66°C

Element lengths: 40" x (1-4)

Connections: Feed/Conc. 3/4" - Permeate 1/2" BSPT

### Materials

Body : FRP

End caps and fittings: stainless steel S2507 Super Duplex

Seals : EPDM

Pressure stoppers and locking screws: stainless steel S2507 Super Duplex

### Accessories

Support saddles and fixing brackets included.

Victaulic pipes and clamps not included (to be ordered separately).

Items marked with \* are not in stock (made to order only)

| Item-Nr:         | Description:                                                                                  |
|------------------|-----------------------------------------------------------------------------------------------|
| MVA4S11200WB1C7C | PRIMA Membr.vessel 4" SP 1200 PSI 1EL. Perm. 3/4" BSPT F - F/C 1" IPS (S.Duplex2507) 180° *   |
| MVA4S21200WB1C7C | PRIMA Membr.vessel 4"SP 1200 PSI 2EL.Perm.3/4" BSPT F -F/C 1" IPS SS2507 InLine *             |
| MVA4S31200WB1C5C | PRIMA Membr.vessel 4" SP 1200 PSI 3EL. Perm. 3/4" BSPT F - F/C 1" IPS (S.Duplex2507) InLine * |
| MVA4S41200WB1C5C | PRIMA Membr.vessel 4" SP 1200 PSI 4EL. Perm. 3/4" BSPT F - F/C 1" IPS (S.Duplex2507) InLine * |

## FRP MEMBRANE HOUSINGS PRIMA™ 8" 300 PSI END PORT

## 8" PRIMA™ RO membrane vessel END PORT 300 PSI



PRIMA 8" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.

Certification: NSF, ASME.

### Specifications

Design Pressure: 300 psi (20.7 bar)

Max temperature 66°C

Element Lengths: 80" x (1-7)

Connections: Feed/Conc. 1.5"(DN40) (on request 2", 2.5", 3")

Permeate 1" BSPT F

### Materials

Body: FRP

End caps: ABS/AISI316

Gaskets: EPDM

Half-Moon presser, pipes, screws : AISI316

Accessories: Support saddles and fixing brackets included.

Victaulic grooved pipes and clamps not included (To be ordered separately)

Items marked with \* are not in stock (made to order only)

| Item-Nr:      | Description:                                                                   |
|---------------|--------------------------------------------------------------------------------|
| MVA8E10300WB  | PRIMA Membr.vessel 8" EP 300 PSI 1 EL. Perm. 1" NPTF - F/C 1,5" IPS (SS316)    |
| MVA8E20300WB  | PRIMA Membr.vessel 8" EP 300 PSI 2EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316)   |
| MVA8E30300WB  | PRIMA Membr.vessel 8" EP 300 PSI 3 EL. Perm. 1" NPT F - F/C 1,5" IPS (SS316)   |
| MVA8E40300WB  | PRIMA Membr.vessel 8" EP 300 PSI 4EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316) * |
| MVA8E50300WB  | PRIMA Membr.vessel 8" EP 300 PSI 5EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316) * |
| MVA8E60300WB- | PRIMA Membr.vessel 8" EP 300 PSI 6EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316) * |
| MVA8E70300WB  | PRIMA Membr.vessel 8" EP 300 PSI 7EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316) * |



## FRP MEMBRANE HOUSINGS PRIMA-SE™ 8" 300 PSI SIDE PORT

## 8" PRIMA-SE™ RO membrane vessel SIDE PORT 300 PSI



PRIMA 8" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing. PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc. Certification: NSF, ASME.

### Specifications

Design Pressure: 300 psi (20.7 bar)  
Max temperature 66°C  
Element Lengths: 80" x (1-7)  
Connections: Feed/Conc. 1.5"(DN40) (on request 2", 2.5", 3")  
Permeate 1" BSPT F

### Materials

Body: FRP  
End caps: ABS/AISI316  
Gaskets : EPDM  
Half-Moon presser, pipes, screws : AISI316

Accessories: Support saddles and fixing brackets included.  
Victaulic grooved pipes and clamps not included (To be ordered separately).  
Items marked with \* are not in stock (made to order only)

| Item-Nr:          | Description:                                                                              |
|-------------------|-------------------------------------------------------------------------------------------|
| MVSE8S10300WB1D5D | PRIMA-SE Membr.vessel 8" SP 300 PSI 1 EL. Perm. 1" BSPT F -F/C Port 1,5" IPS SS316 InLine |
| MVSE8S10300WB1D7D | PRIMA-SE Membr.vessel 8" SP 300 PSI 1EL. Perm. 1" FNPT - F/C 1,5" IPS SS316 180°          |
| MVSE8S20300WB1D5D | PRIMA-SE Membr.vessel 8" SP 300 PSI 2EL. Perm. 1" FNPT - F/C 1,5" IPS SS316 InLine        |
| MVSE8S20300WB1D7D | PRIMA-SE Membr.vessel 8" SP 300 PSI 2EL. Perm. 1" FNPT - F/C 1,5" IPS SS316 180°          |
| MVSE8S30300WB1D5D | PRIMA-SE Membr.vessel 8" SP 300 PSI 3EL. Perm. 1" FNPT - F/C 1,5" IPS SS316 InLine        |
| MVSE8S40300WB1D5D | PRIMA-SE Membr.vessel 8" SP 300 PSI 4EL. Perm. 1" FNPT - F/C 1,5" IPS SS316 InLine        |
| MVSE8S50300WB1D5D | PRIMA-SE Membr.vessel 8" SP 300 PSI 5EL. Perm. 1" FNPT - F/C 1,5" IPS SS316 InLine        |
| MVSE8S60300WB1D5D | PRIMA-SE Membr.vessel 8" SP 300 PSI 6 EL. Perm. 1" FNPT - F/C 1,5" IPS SS316 InLine*      |
| MVSE8S70300WB1D5D | PRIMA-SE Membr.vessel 8" SP 300 PSI 7 EL. Perm. 1" FNPT - F/C 1,5" IPS SS316 InLine*      |

## FRP MEMBRANE HOUSINGS PRIMA™ 8" 300 PSI SIDE PORT

## 8" PRIMA™ RO membrane vessel SIDE PORT 300 PSI



PRIMA 8" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.

Certification: NSF, ASME.

### Specifications

Design Pressure: 300 psi (20.7 bar)

Max temperature 66°C

Element Lengths: 80" x (1-7)

Connections: Feed/Conc. 1.5"(DN40) (on request 2", 2.5", 3")

Permeate 1" BSPT F

### Materials

Body: FRP

End caps: ABS/AISI316

Gaskets : EPDM

Half-Moon presser, pipes, screws : AISI316

### Accessories

Support saddles and fixing brackets included.

Victaulic grooved pipes and clamps not included (To be ordered separately)

Items marked with \* are not in stock (made to order only)

| Item-Nr:         | Description:                                                                      |
|------------------|-----------------------------------------------------------------------------------|
| MVA8S10300WB1D5D | PRIMA Membr.vessel 8" SP 300 PSI 1EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) *      |
| MVA8S10300WB1D7D | PRIMA Membr.vessel 8" SP 300 PSI 1EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) 180° * |
| MVA8S20300WB1D5D | PRIMA Membr.vessel 8" SP 300 PSI 2EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316)*       |
| MVA8S20300WB1D7D | PRIMA Membr.vessel 8" SP 300 PSI 2EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) 180° * |
| MVA8S30300WB1D5D | PRIMA Membr.vessel 8" SP 300 PSI 3EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) *      |
| MVA8S40300WB1D5D | PRIMA Membr.vessel 8" SP 300 PSI 4EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316)*       |
| MVA8S50300WB1D5D | PRIMA Membr.vessel 8" SP 300 PSI 5EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) *      |
| MVA8S60300WB1D5D | PRIMA Membr.vessel 8" SP 300 PSI 6EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316)*       |
| MVA8S70300WB1D5D | PRIMA Membr.vessel 8" SP 300 PSI 7EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316)*       |

## FRP MEMBRANE HOUSINGS PRIMA™ 8" 450 PSI END PORT

## 8" PRIMA™ RO membrane vessel END PORT 450 PSI



PRIMA 8" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.  
Certification: NSF, ASME.

### Specifications

Design Pressure: 450 psi (31 bar)

Max temperature 66°C

Element Lengths: 80" x (1-7)

Connections: Feed/Conc. 1.5"(DN40) (on request 2", 2.5", 3")

Permeate 1" BSPT F

### Materials

Body: FRP

End caps: ABS/AISI316

Gaskets : EPDM

Half-Moon presser, pipes, screws : AISI316

### Accessories

Support saddles and fixing brackets included.

Victaulic grooved pipes and clamps not included (To be ordered separately)

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                                                   |
|--------------|--------------------------------------------------------------------------------|
| MVA8E10450WB | PRIMA Membr.vessel 8" EP 450 PSI 1EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316)   |
| MVA8E20450WB | PRIMA Membr.vessel 8" EP 450 PSI 2EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316)   |
| MVA8E30450WB | PRIMA Membr.vessel 8" EP 450 PSI 3EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316) * |
| MVA8E40450WB | PRIMA Membr.vessel 8" EP 450 PSI 4EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316) * |
| MVA8E50450WB | PRIMA Membr.vessel 8" EP 450 PSI 5EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316) * |
| MVA8E60450WB | PRIMA Membr.vessel 8" EP 450 PSI 6EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316) * |
| MVA8E70450WB | PRIMA Membr.vessel 8" EP 450 PSI 7EL. Perm. 1" FNPT F - F/C 1,5" IPS (SS316)*  |

## FRP MEMBRANE HOUSINGS PRIMA-SE™ 8" 450 PSI SIDE PORT

## 8" PRIMA-SE™ RO membrane vessel SIDE PORT 450 PSI



PRIMA 8" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.

Certification: NSF, ASME.

### Specifications

Design Pressure: 450 psi (31 bar)

Max temperature 66°C

Element Lengths: 80" x (1-7)

Connections: Feed/Conc. 1.5"(DN40) (on request 2", 2.5", 3")

Permeate 1" BSPT F

### Materials

Body: FRP

End caps: ABS/AISI316

Gaskets: EPDM

Half-Moon presser, pipes, screws: AISI316

### Accessories

Support saddles and fixing brackets included.

Victaulic grooved pipes and clamps not included (To be ordered separately).

Items marked with \* are not in stock (made to order only)

| Item-Nr:          | Description:                                                                         |
|-------------------|--------------------------------------------------------------------------------------|
| MVSE8S10450WB1D5D | PRIMA-SE Membr.vessel 8" SP 450 PSI 1El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline   |
| MVSE8S10450WB1D7D | PRIMA-SE Membr.vessel 8" SP 450 PSI 1El. Perm.1" BSPT F -F/C 1,5" IPS SS316 180°     |
| MVSE8S20450WB1D5D | PRIMA-SE Membr.vessel 8" SP 450 PSI 2El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline   |
| MVSE8S20450WB1D7D | PRIMA-SE Membr.vessel 8" SP 450 PSI 2El. Perm.1" BSPT F -F/C 1,5" IPS SS316 180°     |
| MVSE8S30450WB1D5D | PRIMA-SE Membr.vessel 8" SP 450 PSI 3El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline   |
| MVSE8S40450WB1D5D | PRIMA-SE Membr.vessel 8" SP 450 PSI 4 El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline  |
| MVSE8S50450WB1D5D | PRIMA-SE Membr.vessel 8" SP 450 PSI 5 El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline  |
| MVSE8S60450WB1D5D | PRIMA-SE Membr.vessel 8" SP 450 PSI 6 El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline  |
| MVSE8S70450WB1D5D | PRIMA-SE Membr.vessel 8" SP 450 PSI 7 El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline* |

## FRP MEMBRANE HOUSINGS PRIMA™ 8" 450 PSI SIDE PORT

## 8" PRIMA™ RO membrane vessel SIDE PORT 450 PSI



PRIMA 8" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.  
Certification: NSF, ASME.

### Specifications

Design Pressure: 450 psi (31 bar)

Max temperature 66°C

Element Lengths: 80" x (1-7)

Connections: Feed/Conc. 1.5"(DN40) (on request 2", 2.5", 3")

Permeate 1" BSPT F

### Materials

Body: FRP

End caps: ABS/AISI316

Gaskets : EPDM

Half-Moon presser, pipes, screws : AISI316

### Accessories

Support saddles and fixing brackets included.

Victaulic grooved pipes and clamps not included (To be ordered separately).

Items marked with \* are not in stock (made to order only)

| Item-Nr:         | Description:                                                                      |
|------------------|-----------------------------------------------------------------------------------|
| MVA8S10450WB1D5D | PRIMA Membr.vessel 8" SP 450 PSI 1EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) *      |
| MVA8S10450WB1D7D | PRIMA Membr.vessel 8" SP 450 PSI 1EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) 180° * |
| MVA8S20450WB1D5D | PRIMA Membr.vessel 8" SP 450 PSI 2EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) *      |
| MVA8S20450WB1D7D | PRIMA Membr.vessel 8" SP 450 PSI 2EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) 180° * |
| MVA8S30450WB1D5D | PRIMA Membr.vessel 8" SP 450 PSI 3EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) *      |
| MVA8S40450WB1D5D | PRIMA Membr.vessel 8" SP 450 PSI 4EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) *      |
| MVA8S50450WB1D5D | PRIMA Membr.vessel 8" SP 450 PSI 5EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) *      |
| MVA8S60450WB1D5D | PRIMA Membr.vessel 8" SP 450 PSI 6EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) *      |
| MVA8S70450WB1D5D | PRIMA Membr.vessel 8" SP 450 PSI 7EL. Perm. 1" FNPT - F/C 1,5" IPS (SS316) *      |

## FRP MEMBRANE HOUSINGS PRIMA™ 8" 1000 PSI END PORT

## 8" PRIMA™ RO membrane vessel END PORT 1000 PSI



PRIMA 8" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing. PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc. Certification: NSF, ASME.

**Specifications**  
Design pressure: 1000 psi (69 bar)  
Max temperature: 66°C  
Element lengths: 80" x (1-7")  
Connections: Supply/Construction 1.5" (DN40) (2", 2.5", 3" available on request)  
Permeate 1" BSPT F

**Materials**  
Body: FRP  
End fittings: ABS/S2507 Super Duplex stainless steel  
Seals: EPDM Half-moon pressure fitting, hoses, screws: S2507 Super Duplex

**Accessories**  
Support saddles and mounting brackets included.  
Grooved tubes and Victaulic clamps not included (to be ordered separately).  
Items marked with an \* are not in stock (made to order only)

| Item-Nr:     | Description:                                                                         |
|--------------|--------------------------------------------------------------------------------------|
| MVA8E11000WB | PRIMA Membr.vessel 8" EP 1000 PSI 1EL. Perm. 1"FNPT - F/C 1,5" IPS (S.Duplex2507)    |
| MVA8E21000WB | PRIMA Membr.vessel 8" EP 1000 PSI 2EL. Perm. 1"FNPT - F/C 1,5" IPS (S.Duplex2507)    |
| MVA8E31000WB | PRIMA Membr.vessel 8" EP 1000 PSI 3EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507)   |
| MVA8E41000WB | PRIMA Membr.vessel 8" EP 1000 PSI 4EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) * |
| MVA8E51000WB | PRIMA Membr.vessel 8" EP 1000 PSI 5EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) * |
| MVA8E61000WB | PRIMA Membr.vessel 8" EP 1000 PSI 6EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) * |
| MVA8E71000WB | PRIMA Membr.vessel 8" EP 1000 PSI 7EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) * |

## FRP MEMBRANE HOUSINGS PRIMA™ 8" 1000 PSI SIDE PORT

## 8" PRIMA™ RO membrane vessel SIDE PORT 1000 PSI



PRIMA 8" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc.

Certification: NSF, ASME.

### Specifications

Design pressure: 1000 psi (69 bar)

Max temperature: 66°C

Element lengths: 80" x (1-7")

Connections: Supply/Construction 1.5" (DN40) (2", 2.5", 3" available on request)

Permeate 1" BSPT F

### Materials

Body: FRP

End fittings: ABS/S2507 Super Duplex stainless steel

Seals: EPDM

Pressure half-moon, hoses, screws: S2507 Super Duplex

### Accessories

Support saddles and mounting brackets included.

Grooved tubes and Victaulic clamps not included (to be ordered separately).

Items marked with an \* are not in stock (made to order only)

| Item-Nr:         | Description:                                                                               |
|------------------|--------------------------------------------------------------------------------------------|
| MVA8S11000WB1D5D | PRIMA Membr.vessel 8" SP 1000 PSI 1El. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine * |
| MVA8S11000WB1D7D | PRIMA Membr.vessel 8" SP 1000 PSI 1El. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) 180° *   |
| MVA8S21000WB1D5D | PRIMA Membr.vessel 8" SP 1000 PSI 2El. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine * |
| MVA8S21000WB1D7D | PRIMA Membr.vessel 8" SP 1000 PSI 2El. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) 180°    |
| MVA8S31000WB1D5D | PRIMA Membr.vessel 8" SP 1000 PSI 3El. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine   |
| MVA8S41000WB1D5D | PRIMA Membr.vessel 8" SP 1000 PSI 4El. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine   |
| MVA8S51000WB1D5D | PRIMA Membr.vessel 8" SP 1000 PSI 5El. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) inline * |
| MVA8S61000WB1D5D | PRIMA Membr.vessel 8" SP 1000 PSI 6El. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine * |
| MVA8S71000WB1D5D | PRIMA Membr.vessel 8" SP 1000 PSI 7El. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine * |

## FRP MEMBRANE HOUSINGS PRIMA™ 8" 1200 PSI END PORT

## 8" PRIMA™ RO membrane vessel END PORT 1200 PSI



PRIMA 8" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing. PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc. Certification: NSF, ASME.

### Specifications

Design pressure: 1200 psi (82.7 bar)  
Max temperature: 66°C  
Element lengths: 80" x (1-7")  
Connections: Supply/Construction 1.5" (DN40) (2", 2.5", 3" available on request)  
Permeate 1" BSPT F

### Materials

Body: FRP  
End fittings: ABS/S2507 Super Duplex stainless steel  
Seals: EPDM  
Presser half-moon, hoses, screws: S2507 Super Duplex

### Accessories

Support saddles and mounting brackets included.  
Grooved tubes and Victaulic clamps not included (to be ordered separately).  
Items marked with an \* are not in stock (made to order only)

| Item-Nr:     | Description:                                                                         |
|--------------|--------------------------------------------------------------------------------------|
| MVA8E11200WB | PRIMA Membr.vessel 8" EP 1200 PSI 1EL. Perm. 1"FNPT - F/C 1,5" IPS (S.Duplex2507) *  |
| MVA8E21200WB | PRIMA Membr.vessel 8" EP 1200 PSI 2EL. Perm. 1"FNPT - F/C 1,5" IPS (S.Duplex2507) *  |
| MVA8E31200WB | PRIMA Membr.vessel 8" EP 1200 PSI 3EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) * |
| MVA8E41200WB | PRIMA Membr.vessel 8" EP 1200 PSI 4EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) * |
| MVA8E51200WB | PRIMA Membr.vessel 8" EP 1200 PSI 5EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) * |
| MVA8E61200WB | PRIMA Membr.vessel 8" EP 1200 PSI 6EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) * |
| MVA8E71200WB | PRIMA Membr.vessel 8" EP 1200 PSI 7EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) * |



## FRP MEMBRANE HOUSINGS PRIMA™ 8" 1200 PSI SIDE PORT

## 8" PRIMA™ RO membrane vessel SIDE PORT 1200 PSI



PRIMA 8" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1200 PSI. 100% quality assurance testing at 1.1 times the operating pressure maintained for at least five minutes ensures safety and leak-free operation. No random testing. Quality assurance. Burst testing at 6 times the design pressure; 100,000 cycle testing.

PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc. Certification: NSF, ASME.

### Specifications

Design Pressure: 300 psi (20.7 bar)

Max temperature 66°C

Element Lengths: 80" x (1-7)

Connections: Feed/Conc. 1.5"(DN40) (on request 2", 2.5", 3")

Permeate 1" BSPT F

### Materials

Body: FRP

End caps: ABS/AISI316

Gaskets : EPDM

Half-Moon presser, pipes, screws : AISI316

### Accessories

Support saddles and fixing brackets included.

Victaulic grooved pipes and clamps not included (To be ordered separately).

Items marked with \* are not in stock (made to order only)

| Item-Nr:         | Description:                                                                               |
|------------------|--------------------------------------------------------------------------------------------|
| MVA8S11200WB1D5D | PRIMA Membr.vessel 8" SP 1200 PSI 1EL. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine * |
| MVA8S11200WB1D7D | PRIMA Membr.vessel 8" SP 1200 PSI 1EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) 180° *  |
| MVA8S21200WB1D5D | PRIMA Membr.vessel 8" SP 1200 PSI 2EL. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine*  |
| MVA8S21200WB1D7D | PRIMA Membr.vessel 8" SP 1200 PSI 2EL. Perm. 1" FNPT - F/C 1,5" IPS (S.Duplex2507) 180°    |
| MVA8S31200WB1D5D | PRIMA Membr.vessel 8" SP 1200 PSI 3EL. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine * |
| MVA8S41200WB1D5D | PRIMA Membr.vessel 8" SP 1200 PSI 4EL. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine * |
| MVA8S51200WB1D5D | PRIMA Membr.vessel 8" SP 1200 PSI 5EL. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine * |
| MVA8S61200WB1D5D | PRIMA Membr.vessel 8" SP 1200 PSI 6EL. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine * |
| MVA8S71200WB1D5D | PRIMA Membr.vessel 8" SP 1200 PSI 7EL. Perm.1" FNPT - F/C 1,5" IPS (S.Duplex2507) InLine * |

## PRIMA™ MEMBRANE VESSEL ACCESSORIES

## PRIMA™ - MEMBRANE VESSEL ACCESSORIES



| Item-Nr:            | Description:                                                           |
|---------------------|------------------------------------------------------------------------|
| ZMVACLA0600025SS316 | Victaulic type clamp 300-600 PSI 1" in SUS316                          |
| ZMVACLA0600040SS316 | Victaulic type clamp 300-600 PSI 1,5" in SUS316                        |
| ZMVACLA1000025SS316 | Victaulic type clamp 1000 PSI 1" in SUS316                             |
| ZMVACLA1000040SS316 | Victaulic type clamp 1000 PSI 1,5" in SUS316                           |
| ZMVACLA1000050SS316 | Victaulic type clamp 1000 PSI 2" in SUS316*                            |
| ZMVACLA1000065SS316 | Victaulic type clamp 1000 PSI 2,5" in SUS316*                          |
| ZMVACLA1000080SS316 | Victaulic type clamp 1000 PSI 3" in SUS316*                            |
| ZMVATSC0300025SS316 | Victaulic type short grooved pipe 300-600 PSI 1" in SUS316             |
| ZMVATSC0300040SS316 | Victaulic type short grooved pipe 300-600 PSI 1,5" in SUS316           |
| ZMVATSC0300050SS316 | Victaulic type short grooved pipe 300-600 PSI 2" in SUS316*            |
| ZMVATSC0300065SS316 | Victaulic type short grooved pipe 300-600 PSI 2,5" in SUS316*          |
| ZMVATSC0300080SS316 | Victaulic type short grooved pipe 300-600 PSI 3" in SUS316*            |
| ZMVATSC1000025S2507 | Victaulic type short grooved pipe 1000 PSI 1" in Super Duplex SS2507   |
| ZMVATSC1000040S2507 | Victaulic type short grooved pipe 1000 PSI 1,5" in Super Duplex SS2507 |

## PRIMA™ 2,5"- 4" END PORT 300-450-1000-1200 PSI SPARE PARTS

## PRIMA™ 2,5"- 4" END PORT 300-450-1000-1200 PSI SPARE PARTS



| Item-Nr:  | Description:                                                                 |
|-----------|------------------------------------------------------------------------------|
| XXPRIMA25 | PRIMA™ 2,5"- 4" END PORT 300-450-1000-1200 PSI SPARE PARTS-Prices on request |

## PRIMA™ 4" SIDE PORT 300-450-1000-1200 PSI SPARE PARTS

## PRIMA™ 4" SIDE PORT 300-450-1000-1200 PSI MEMBRANE VESSEL SPARE PARTS



Item-Nr:

Description:

XXPRIMA4SPAC

PRIMA™ 4" SIDE PORT 300-450-1000-1200 PSI SPARE PARTS - PRICES ON REQUEST

## PRIMA-SE™ 4" END PORT 300 PSI SPARE PARTS

## PRIMA-SE™ 4" END PORT 300 PSI SPARE PARTS



Item-Nr:

Description:

XXPRIMA25x

PRIMA™ 2.5"- 4" / PRIMA-SE™ 2.5"- 4" SPARE PARTS - PRICES ON REQUEST

## PRIMA™ 8" END PORT 300-450 PSI MEMBRANE VESSEL SPARE PARTS



| Item-Nr:             | Description:                                     |                                                                                       |
|----------------------|--------------------------------------------------|---------------------------------------------------------------------------------------|
| MVAZA003021          | Strap in SUS304+soft PVC                         |    |
| MVAZA00339           | Bearing plate-300 PSI in aluminium               |                                                                                       |
| MVAZA00340           | Bearing plate-450 PSI in aluminium               |                                                                                       |
| MVAZA00342           | Bearing plate-1000 PSI in aluminium              |                                                                                       |
| MVAZA00343           | Bearing plate-1200 PSI                           |                                                                                       |
| MVAZA00382           | Retaining ring with bolts and nuts in SUS304     |  |
| MVAZA00604           | Sealing plate in ABS                             |  |
| MVAZA00614           | Thrust cone in ABS                               |  |
| MVAZA00615           | Adaptor in ABS                                   |  |
| MVAZA006230300040304 | Concentrate port (End Port) DN40 300 PSI SUS304  |  |
| MVAZA006230450040304 | Concentrate port (End Port) DN40 450 PSI SUS304  |                                                                                       |
| MVAZA006231000040316 | Concentrate port (End Port) DN40 1000 PSI SUS316 |                                                                                       |

|                      |                                                             |
|----------------------|-------------------------------------------------------------|
| MVAZA006231000040SD  | Concentrate port (End Port) DN40 1000 PSI Super Duplex 2507 |
| MVAZA006231200040316 | Concentrate port (End Port) DN40 1200 PSI SUS316            |
| MVAZA006231200040SD  | Concentrate port (End Port) DN40 1200 PSI Super Duplex 2507 |
| MVAZA00653           | Red cap for permeate port in PVC                            |



|            |                                             |
|------------|---------------------------------------------|
| MVAZA00904 | Big O rubber seal ring as head seal in EPDM |
|------------|---------------------------------------------|



|            |                                              |
|------------|----------------------------------------------|
| MVAZA00916 | O-Rubber seal ring for permeate port in EPDM |
|------------|----------------------------------------------|

|            |                                         |
|------------|-----------------------------------------|
| MVAZA00917 | O rubber seal ring for adaptor in EPDM- |
|------------|-----------------------------------------|



|            |               |
|------------|---------------|
| MVAZA00936 | Saddle in ABS |
|------------|---------------|



|            |                                                       |
|------------|-------------------------------------------------------|
| MVAZA00949 | O-Rubber seal ring for end (concentrate) port in EPDM |
|------------|-------------------------------------------------------|



## PRIMA™ 8" SIDE PORT 300-450 PSI MEMBRANE VESSEL SPARE PARTS

## PRIMA™ 8" SIDE PORT 300-450 PSI MEMBRANE VESSEL SPARE PARTS



| Item-Nr:       | Description:                                 |
|----------------|----------------------------------------------|
| MVAZA00382-395 | Retaining ring with bolts and nuts in SUS304 |



MVAZA00387 Bearing plate-300 PSI in aluminium



MVAZA00415 Strap in SUS304+soft PVC



MVAZA006154 Adaptor in ABS



MVAZA00654 Red cap for permeate port in PVC



MVAZA00658 Permeate port retaining ring in ABS



MVAZA00659 Permeate port retaining ring black in PVC



MVAZA00691 Sealing plate in ABS



MVAZA00692 Thrust cone in ABS



MVAZA00938 Saddle in ABS



MVAZA00951 Big O rubber seal ring for sealing plate 187\*7 in EPDM



MVAZA00952

Big O rubber seal ring for adaptor 57.6\*2,7 in EPDM



MVAZA00953

Small O rubber seal ring for adaptor 42,2\*3,53 in EPDM



## PRIMA-SE™ 8" SIDE PORT 300 PSI MEMBRANE VESSEL SPARE PARTS

## PRIMA-SE™ 8" SIDE PORT 300 PSI PSI MEMBRANE VESSEL SPARE PARTS



| Item-Nr:       | Description:                         |                                                                                       |
|----------------|--------------------------------------|---------------------------------------------------------------------------------------|
| MVAZA00304     | Nuts and bolts-                      |  |
| MVAZA00406-407 | Coupling 300-450 PSI in SUS304       |  |
| MVAZA00410     | Baffle locking with bolts            |  |
| MVAZA00411     | Strap in SUS304+soft PVC             |  |
| MVAZA00412     | Concentrate port DN40 300 PSI SUS304 |  |



MVAZA00653 Red cap for permeate port in PVC

MVAZA00657 Adaptor in ABS



MVAZA00937 Saddle in ABS



MVAZA00946 Big O rubber seal ring as head seal in EPDM



MVAZA00947 O rubber seal ring for adaptor in EPDM-



MVAZA00948 O-Rubber seal ring for permeate port in EPDM



MVAZA13001 Bearing plate-300 PSI in aluminium



MVAZA13005 Bearing plate-450 PSI in aluminium



MVAZA13006 Sealing plate in ABS



MVAZA13012 Thrust cone in ABS





## STAINLESS STEEL MEMBRANE HOUSINGS

### SS VESSEL

### Pressure Membrane Housings in stainless steel



Reverse osmosis (RO) membrane housing made of SUS304 stainless steel, KEY FEATURES

designed to provide excellent corrosion resistance, operational reliability, and long service life. The robust construction is complemented by high-strength

ABS end caps, ensuring easy installation and maintenance.

- SUS304 stainless steel body
- ABS end caps
- Maximum operating pressure: 250 psi (17.2 bar)
- Polished external surface
- Excellent corrosion resistance
- Easy installation and maintenance
- Compatible with 4040 RO membranes

| Item-Nr:      | Description:                                                   |
|---------------|----------------------------------------------------------------|
| VS40211AS0425 | RO Membr.vessel in 4021 1A in stainless steel AISI 304 250 psi |
| VS40401AS0425 | RO Membr.vessel in 4040 1A in stainless steel AISI 304 250 psi |
| VS40402AS0425 | RO Membr.vessel in 4040 2A in stainless steel AISI 304 250 psi |



## VARIOUS COMPONENTS FOR WATER DISPENSERS, INDUSTRIAL AND DOMESTIC REVERSE OSMOSIS

- DOMESTIC REVERSE OSMOSIS MEMBRANES - PVC MEMBRANE HOUSINGS - CONDUCTIVITY METER - MULTISTAGE PUMPS FOR REVERSE OSMOSIS - FLOWMETERS - NEEDLE VALVES - ROTARY VANE PUMPS - ELECTRIC MOTORS - SOLENOID VALVES - IN-LINE UF-ULTRAFILTRATION MEMBRANES - ALKALINE FILTERS - COMPONENTS FOR POINT OF USE HOUSE AND HO.RE.CA WATER SYSTEMS - PRESSURE GAUGES FOR INDUSTRIAL RO SYSTEMS - POCKET ELECTRONIC METERS - DOMESTIC DIGITAL WATER METERS - WATER LEAKAGE SAFETY DEVICES - CO2 CYLINDERS - RO MEASUREMENT AND CONTROL INSTRUMENTS - COMPRESSORS

## RO MEASUREMENT AND CONTROL INSTRUMENTS

### RS2 Conduct

### RS2 Conductivity meter with led light



#### MAIN FEATURES

Setpoint: 1.5 - 2 - 5 - 10 - 20 - 40 - 100 - 200  $\mu\text{S/cm}$   
 Power supply: 230 Vac, 50/60 Hz  
 Probe operating voltage: 5 Vac (2 kHz frequency)  
 Maximum cable length: 1.5 m  
 Cell constant: K = 5

#### Item-Nr:

#### Description:

ROTSRESE

"ECO LIGHT" LED conductivity meter with K1 probe

### BC2 Conduct

### BC2 Digital conductivity meter



A simple and cost-effective solution for monitoring water conductivity. The instrument displays both the measured value and the preset alarm setpoint in real time, allowing immediate control of water quality. The alarm threshold can be easily selected via DIP switches from 5 to 40  $\mu\text{S/cm}$ . When the setpoint is exceeded, a dry contact output is available for alarm signaling, with an optional integrated acoustic buzzer.  
 (Model with 0-1000  $\mu\text{S/cm}$  scale available on request)

#### MAIN FEATURES

Continuous conductivity monitoring  
 Real-time display of measured value and alarm setpoint  
 Selectable setpoints: 5 - 10 - 15 - 20 - 25 - 30 - 35 - 40  $\mu\text{S/cm}$   
 DIP switch configuration  
 Optional acoustic buzzer  
 Dry contact alarm output  
 Alarm contact rating: max. 0.5 A - max. 30 Vac/Vdc  
 Easy installation and operation

#### Item-Nr:

#### Description:

BLUCOND

Conductivity meter with display, range 0-50  $\mu\text{S/cm}$ , with K5 probe and power supply

## CSG/TDS-230 Intelligent Conductivity Monitor

## CSG/TDS-230 Intelligent Conductivity Monitor



CSG-230 is a compact industrial monitor designed for continuous measurement of conductivity and TDS (Total Dissolved Solids) in water treatment plants, pure water systems, cooling towers, and industrial applications. Thanks to its compact size, panel-mount installation, and automatic temperature compensation, it provides reliable water quality monitoring with easy installation and cost-effective operation.

### KEY FEATURES

- Online conductivity and TDS measurement
- Selectable ranges: 0.5-20 / 200 / 2000  $\mu\text{S}/\text{cm}$  and 0—20  $\text{mS}/\text{cm}$
- TDS range: 0.25-10 / 100 / 1000 ppm
- Accuracy:  $\pm 1.5\%$  F.S.
- Automatic temperature compensation at  $25\text{ }^{\circ}\text{C}$   $\text{K}=1.0\text{ cm}^{-1}$  sensor
- 3½-digit LCD display
- 110/220 VAC, 50/60 Hz power supply
- Compact dimensions: 48 × 96 × 100 mm
- Flush panel mounting

| Item-Nr:    | Description:                                            |
|-------------|---------------------------------------------------------|
| SMCSGTDS230 | CSG/TDS-230 Intelligent Conductivity Monitor 1/4" Probe |
| SMCSGTDS232 | CSG/TDS-231 Intelligent Conductivity Monitor 1/2" Probe |

## RO-CONTROL CSG ROS-2210 RO Program online controller



### CSG ROS-2210 RO Program online controller Features

- Conductivity + Temperature Reverse osmosis process controller
- The typical operation modes of various medium and small reverse osmosis systems, adopts high-performance single chip microcomputer technology to monitor RO system operation, status control and water online conductivity.
- The control panel visually displays the operation status of the system by visual flow chart with LED indication lamp embedded.
- Open operating menu, allow the user to set the washing time of membrane, spacing to meet the user's different requirements.
- Fault alarm and control output instruction function.

### Specification: Model CSG ROS-2210

Function RO collecting point No water protection, low pressure protection, high pressure protection, pure water tank high level protection, exterior operation, reset.

RO controlling point inlet water valve, flush valve, raw water pump, high pressure pump,

conductivity over limit discharge valve

Measurement Range Source water:

Conductivity : 0~2000µS/cm, Produced water: 0-2000uS/cm

Temperature: 0~50°C

Resolution ratio Conductivity 0.1µS/cm, Temperature 0.1°C

Accuracy Conductivity ≤1.5%, Temperature ≤0.5°C

Temperature compensation automatic digital compensation with 25°C as reference temperature

### Working environment

Ambient Temp. 0~50°C, Relative Humidity ≤85%

Electrode 1.0cm-1 electrode, with 5m Length cable

Electric control ON single contact relay, dry contact (on power) inside output

Flush way High pressure flush, low pressure flush

Display 3 1/2 digits red LED digital display

Contact capacity AC 250V/3A Max ; AC 115V/10A Max (Resistance load)

Power AC 220V+/-15% 50Hz

Dimensions

96×96×130mm (H X W X D)

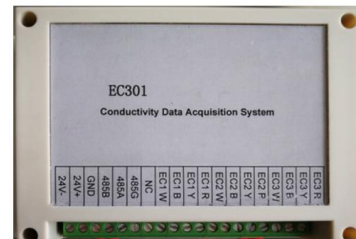
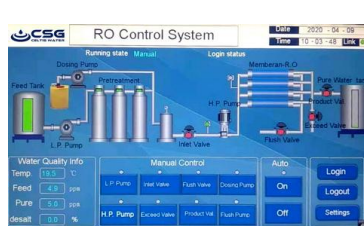
Hole size

92×92mm (H X W) (Embedded)

| Item-Nr:     | Description:                              |
|--------------|-------------------------------------------|
| SMCSGROS2210 | CSG ROS-2210 RO Program online controller |

## RO-CONTROL CSG ROS-8100

## CSG-RO-8100 Single Stage Touch Color Screen Reverse Osmosis Control System + Online Conductivity Monitor



CSG-RO-8100 is an advanced reverse osmosis control system that combines a color touchscreen and online conductivity monitoring in a single unit. Designed for both single-stage and two-stage RO plants, it provides real-time control of key process parameters, water quality, and system status, offering an intuitive user interface, comprehensive monitoring functions, and remote communication via Modbus RTU.

### KEY FEATURES

- 7" color touchscreen (10" optional) with intuitive graphical interface
- Integrated PLC control for complete RO process management
- Conductivity monitoring of feed water and product water (up to two stages)
- Dynamic display of process flow diagram, input/output status, and operating parameters
- Automatic management of pumps, valves, chemical dosing, and membrane flushing cycles
- Monitoring of levels, pressures, alarms, and system protections
- RS485 communication with Modbus RTU protocol for remote supervision and PLC/SCADA integration
- Conductivity measurement range: 0-5000  $\mu\text{S}/\text{cm}$  (feed water) and 0-200  $\mu\text{S}/\text{cm}$  (product water)
- Temperature measurement: 0-60  $^{\circ}\text{C}$  with automatic compensation at 25  $^{\circ}\text{C}$ ;  $1.0 \text{ cm}^{-1}$  conductivity sensor with 4.5 m cable
- 220 VAC power supply with 24 VDC output for display and transmitter
- Compact panel-mount design: 163 × 226.5 × 80 mm

| Item-Nr:    | Description:                               |
|-------------|--------------------------------------------|
| SMCSGRO8100 | CSG-RO-8100 Reverse Osmosis Control System |



## RO-CONTROL CSG ROS-8200

## CSG-RO-8200 Single Stage Touch Color Screen Reverse Osmosis Control System + Online Conductivity Monitor



CSG-RO8200 is an advanced dual-stage reverse osmosis control system featuring a color touchscreen and online conductivity monitoring. Designed for fully automated RO plant management, it integrates PLC control, process supervision, and data acquisition into a single platform, enabling real-time monitoring of water quality, process status, and connected equipment. Thanks to RS485 Modbus RTU communication, it can be easily integrated into industrial automation and SCADA systems.

### KEY FEATURES

- Dual-stage RO control system with 7" color touchscreen (10" optional)
- Integrated PLC for fully automatic reverse osmosis process management
- Simultaneous monitoring of feed water, first-stage, and second-stage conductivity
- Graphical interface with dynamic process flow diagram, I/O status, alarms, and manual control
- Automatic management of pumps, valves, chemical dosing, and flushing cycles
- Comprehensive control of levels, pressures, and pump protection for both RO stages
- RS485 communication with Modbus RTU protocol for PLC and SCADA integration
- Conductivity measurement range: 0-5000  $\mu\text{S}/\text{cm}$  (feed water) and 0-200  $\mu\text{S}/\text{cm}$  for both RO stages
- Temperature measurement: 0-60  $^{\circ}\text{C}$  with automatic compensation at 25  $^{\circ}\text{C}$ ;  $\alpha=1.0\text{ cm}^{-1}$  conductivity sensors with 4.5 m cable
- 220 VAC power supply with 24 VDC output for display and transmitters
- Panel-mounted display with DIN rail controller for flexible and compact installation

| Item-Nr: | Description: |
|----------|--------------|
|----------|--------------|

|             |                                                                           |
|-------------|---------------------------------------------------------------------------|
| SMCSGRO8200 | CSG ROS-8200 Reverse Osmosis Control System + Online Conductivity Monitor |
|-------------|---------------------------------------------------------------------------|

## RO-CONTROL EL-PANEL

## RO CONTROL BOARD EL-PANEL



Microprocessor-based controller for the complete automatic management of reverse osmosis systems. It integrates a professional dual-range conductivity meter and sequentially manages the start-up, service, stand-by, flushing and cleaning phases with fully configurable timing parameters. Front panel equipped with a blue backlit 2×16 LCD display, 5-key keypad and password-protected programming menu.

Direct power supply 230 Vac / 50 Hz

Operating temperature +5 to +70 °C

Dimensions 190 × 160 × 130 mm.

### MAIN FEATURES

- Integrated conductivity meter with 2-point calibration, menu-selectable measuring range (0÷400 µS/cm with CCK5 probe / 0÷2000 µS/cm with CCK1 probe); high conductivity alarm with adjustable threshold and delay
- Tank level management configurable for 1 or 2 float switches (LSH High / LSI Low / LSII Safety)
- Low-pressure switch control with automatic restart up to 3 attempts (TIME5 interval) and high-pressure switch with immediate shutdown
- 3 solenoid valve outputs (EV1 inlet, EV2 flushing/drain) + HP pump output P1 (5 A) + dosing pump output DP1 (2 A); fuse protection F1 2 A (EV) / F2 5 A (pump)
- Alarm output with dry contact; PRT pretreatment input; automatic flushing after stand-by timeout

| Item-Nr: | Description:                                     |
|----------|--------------------------------------------------|
| ROEL001  | RO EL PANEL Osmosis control and programming tool |



## RO-CONTROL WEB Reverse Osmosis Controller LCD

## RO WEB CONTROL Reverse Osmosis Controller LCD



RO WEB CONTROL is a reverse osmosis controller featuring a 7" color touchscreen, designed to provide intuitive and reliable process management. Housed in a rugged IP56-rated enclosure, it combines a high-resolution graphical interface with excellent durability for industrial environments, making it ideal for monitoring and controlling water treatment systems.

### KEY FEATURES

- Reverse osmosis controller with touchscreen interface
- 7" capacitive display with 800 × 480 pixel resolution and 10-point multitouch support
- 155 × 86 mm viewing area for clear process parameter display
- IP56-rated enclosure for industrial installations
- Standard 230 VAC power supply, also available in 115 VAC or 24 VAC/DC versions
- Operating temperature: -20 °C to +70 °C
- Storage temperature: -30 °C to +80 °C
- 500:1 contrast ratio and 250 cd/m<sup>2</sup> average brightness
- Enclosure dimensions: 290 × 215 × 140 mm
- Modern and intuitive interface for RO system monitoring and control

| Item-Nr:      | Description:                                                        |
|---------------|---------------------------------------------------------------------|
| ROELWEB001    | RO WEB CONTROL Osmosis Touch Screen management and programming tool |
| SONDC10K10M02 | K1 3/8 "probe with 2 m cable (scale 0-2500 µS / cm)                 |

## RO-CONTROL LDSN

## RO control system RO-CONTROL LDSN



Microprocessor-based control unit designed for complete management of reverse osmosis systems. Equipped with a backlit LCD display, it enables monitoring of water conductivity, storage tank level control, and management of system operating pressures.

The automatic operation manages production, standby, and washing phases, optimising system performance and ensuring reliable and safe operation. Available in a wall-mount version with IP65 protection rating or for rack-format panel mounting.

### MAIN FEATURES

- Backlit graphic LCD display
- Automatic control of production, standby, and washing phases
- Inlet and outlet conductivity monitoring
- Storage tank level management
- High and low pressure switch control
- Output for osmosis pump and dosing pump
- Management of 3 solenoid valves (inlet, outlet, and drain)
- Alarm output with clean N.O./N.C. contacts
- Dosing pump alarm input
- Stand-by function
- Password protection
- IP65 version for industrial environment installation

| Item-Nr: | Description: |
|----------|--------------|
|----------|--------------|

|                 |                                                |
|-----------------|------------------------------------------------|
| RO-CONTROL LDSN | Discount based on the original EMEC price list |
|-----------------|------------------------------------------------|

## pH METER Rack

## pH METER - Rack pH meter



Rack-Mount pH Meter is designed for continuous pH monitoring in water treatment systems and industrial applications. Its rack-mount design and 4-20 mA analog output allow easy integration with control and automation systems, providing a simple and reliable solution for process management.

### KEY FEATURES

- Power supply: 24 VDC  $\pm 5\%$
- Maximum power consumption: 1.5 VA
- Operating temperature: 5-40 °C
- Storage temperature: -10 to 60 °C
- Maximum relative humidity: 90% non-condensing
- Analog output: 4-20 mA
- Temperature compensation: not available

| Item-Nr: | Description: |
|----------|--------------|
|----------|--------------|

|             |                         |
|-------------|-------------------------|
| PHMETER4896 | pH meter rack 48x96     |
| PHMETERDIN  | pH meter rack DIN rail  |
| SONDPH      | pH probe with 3 m cable |

## Rx METER RACK

## Rx Meter rack



Rx METER – ORP Meter is designed for continuous monitoring of Redox potential (ORP/Rx) in water treatment systems and industrial processes. Thanks to its high measurement accuracy, configurable analog outputs, and two independent programmable relays, it provides reliable control of dosing and disinfection processes while integrating easily with automation systems.

### KEY FEATURES

- Measurement range: -1000 to +1000 mV
- 12-bit resolution with  $\pm 1$  LSB accuracy
- Measurement accuracy:  $\pm 0.2\%$  of reading  $\pm 0.3\%$  of full scale
- Temperature measurement with 10 k $\Omega$  NTC sensor
- Temperature range: 0-100 °C or -10-130 °C (manual setting)
- Configurable analog output: 0-20 mA or 4-20 mA
- Two independent programmable relays for Set Point control
- Power supply: 230 VAC, 50 Hz  $\pm 20\%$
- 500 mA time-delay protection fuse

| Item-Nr:     | Description:                            |
|--------------|-----------------------------------------|
| CONMETER4896 | Panel conductivity meter 48x96          |
| CONMETERDIN  | Panel conductivity meter 48x96 DIN-rail |
| RXMETER4896  | Rx meter rack 48x96                     |
| RXMETERDIN   | Rx meter rack DIN rail                  |
| SONDRX       | Redox probe with 3 m cable              |

## SONDE

## Conductivity probes

| Item-Nr: | Description:                               |
|----------|--------------------------------------------|
| SND382   | K5 probe with 2 m cable, 3/8" connection   |
| SONDK5   | K5 probe with M12 connector and 1/2" cable |

## MULTISTAGE PUMPS FOR REVERSE OSMOSIS

### HYDRONOVA™ V

### HYDRONOVA™ V - Stainless steel vertical multistage pumps



Vertical multistage stainless steel high efficient pump.

Features:

HYDRONOVA is a kind of vertical high efficient non-self priming multistage centrifugal pump, which is driven by a standard electric motor. The motor output shaft directly connects with the pump shaft through a coupling. The pressure-resistant cylinder and flow passage components are fixed between pump head and inlet&outlet section with stay bolts. The inlet and outlet are located at the pump bottom at the same plane. This kind of pump can be equipped with an intelligent protector to effectively prevent it from dry-running, out-of-phase and overload.

Vertical multistage in-line centrifugal pumps made in Stainless Steel. Standard totally enclosed, fan cooled, insulation class F, IP 55 motors. Single phase motors up to 2,2 kW. WRAS / ACS certified.

VF version: hydraulic part in AISI304 SS, pump inlet/outlet made in cast iron. VX/VN version: whole pumps available in AISI304 or AISI316L. VD version: hydraulic part in AISI904/SS2205.

Applications: HYDRONOVA is a kind of multifunctional products. It can be used to convey various medium from tap water to industrial liquid at different temperature and with different flow rate and pressure. VF type is applicable to conveying non-corrosive liquid, while VX and VN are suitable for slightly corrosive liquid. Water supply: Water filter and transport in waterworks boosting of main pipeline, boosting in high-rise buildings.

Industrial boosting: process flow water system, cleaning system, high-pressure washing system, fire fighting system.

Industrial liquid conveying: Cooling and air-conditioning system, machine-associated purpose, acids and alkali.

Water treatment: Ultra filtration system, reverse osmosis system distillation system, separator, swimming pool.

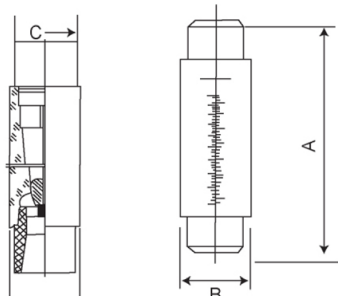
Irrigation: Farmland irrigation, spray irrigation, dripping irrigation

| Item-Nr: | Description:                                                                  |
|----------|-------------------------------------------------------------------------------|
| HN25540  | HNVOO3 VN-3-15 1.5 kW Multistage vertical pumps in AISI316L 230/400 V, Ph 3   |
| HN25541  | HNVOO3 VN-3-16 1.5 kW Multistage vertical pumps in AISI316L 230/400 V, Ph 3   |
| HN25544  | HNVOO3 VN-3-19 2.2 kW Multistage vertical pumps in AISI316L 230/400 V, Ph 3   |
| HN25811  | HNVOO5 VN-5-15 2.2 kW Multistage vertical pumps in AISI316L 230/400 V, Ph 3   |
| HN25812  | HNVOO5 VN-5-16 2.2 kW Multistage vertical pumps in AISI316L 230/400 V, Ph 3   |
| HN26063  | HNVO10 VN-10-10 4.0 kW Multistage vertical pumps in AISI316L 230/400 V, Ph 3  |
| HN26064  | HNVO10 VN-10-11 4.0 kW Multistage vertical pumps in AISI316L 230/400 V, Ph 3  |
| HN26233  | HNVO15 VN-15-8 7.5 kW Multistage vertical pumps in AISI316L 400/690 V, Ph 3   |
| HN26234  | HNVO15 VN-15-9 7.5 kW Multistage vertical pumps in AISI316L 400/690 V, Ph 3   |
| HN26237  | HNVO15 VN-15-12 11 kW Multistage vertical pumps in AISI316L 400/690 V, Ph 3   |
| HN26354  | HNVO20 VN-20-10 11 kW Multistage vertical pumps in AISI316L 400/690 V, Ph 3   |
| HN55540  | HNVO32 VN-32-60 11 kW Multistage vertical pumps in AISI316L 400/690 V, Ph 3   |
| HN55544  | HNVO32 VN-32-80-2 15 kW Multistage vertical pumps in AISI316L 400/690 V, Ph 3 |

## FLOWMETERS

### ROFM-LZTG

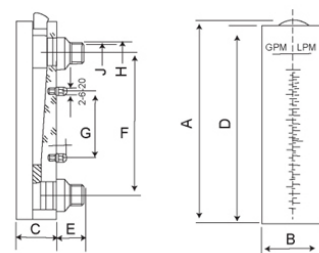
### Round or square tubular axial flowmeters



| Item-Nr:   | Description:                                                                           |
|------------|----------------------------------------------------------------------------------------|
| FMLZT001GR | Tube type axial flowmeter 1 GPM (22,71-227,10 l/h) FML Series Type G 3/4" connection   |
| FMLZT002GR | Tube type axial flowmeter 2 GPM (45,42-454,20 l/h) FML Series Type G 3/4" connection   |
| FMLZT005GR | Tube type axial flowmeter 5 GPM (113,55-1135,5 l/h) FML Series Type G 3/4" connection  |
| FMLZT010GR | Tube type axial flowmeter 10 GPM (227,1-2271 l/h) FML Series Type G 1" connection      |
| FMLZT016GR | Tube type axial flowmeter 16 GPM (340,70-3407 l/h) FML Series Type G 1" connection     |
| FMLZT020GR | Tube type axial flowmeter 20 GPM (454,20-4542 l/h) FML Series Type G 1" connection     |
| FMLZT035GR | Tube type axial flowmeter 35 GPM (794,9-7949 l/h) FML Series Type G 1" connection      |
| FMLZT040GR | Tube type axial flowmeter 40 GPM (908,40-9084 l/h) FML Series Type G 1" connection     |
| FMLZT060GR | Tube type axial flowmeter 60 GPM (1362,60-13626 l/h) FML Series Type G 1,5" connection |
| FMLZT100GR | Tube type axial flowmeter 100 GPM (2271-22710 l/h) FML Series Type G 1,5" connection   |
| FMLZT150GR | Tube type axial flowmeter 150 GPM (3406,5-34065 l/h) FML Series Type G 2" connection   |

### ROFM-LZTM

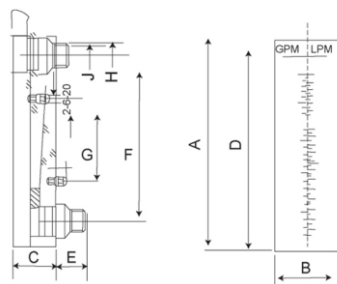
### Panel-type flowmeters



| Item-Nr:  | Description:                                                                            |
|-----------|-----------------------------------------------------------------------------------------|
| FMLZT001M | Panel type square flowmeter 1 GPM (22,71-227,10 l/h) FML Series Type M 1/2" connection  |
| FMLZT002M | Panel type square flowmeter 2 GPM (45,42-454,20 l/h) FML Series Type M 1/2" connection  |
| FMLZT005M | Panel type square flowmeter 5 GPM (113,55-1135,5 l/h) FML Series Type M 1/2" connection |
| FMLZT010M | Panel type square flowmeter 10 GPM (227,1-2271 l/h) FML Series Type M 1" connection     |
| FMLZT035M | Panel type square flowmeter 35 GPM (794,9-7949 l/h) FML Series Type M 1" connection     |
| FMLZT040M | Panel type square flowmeter 40 GPM (908,40-9084 l/h) FML Series Type M 1" connection    |
| FMLZT050M | Panel type square flowmeter 50 GPM (1135,5-11355 l/h) FML Series Type M 1" connection   |

## ROFM-LZTMV

## Panel-type flowmeters with valve



| Item-Nr:   | Description:                                                                                   |
|------------|------------------------------------------------------------------------------------------------|
| FMLZT001MV | Panel type square flowmeter 1 GPM (22,71-227,10 l/h) adjustable FML Series Type MV 1/2" conn.  |
| FMLZT002MV | Panel type square flowmeter 2 GPM (45,42-454,20 l/h) adjustable FML Series Type MV 1/2" conn.  |
| FMLZT005MV | Panel type square flowmeter 5 GPM (113,55-1135,5 l/h) adjustable FML Series Type MV 1/2" conn. |
| FMLZT010MV | Panel type square flowmeter 10 GPM (227,1-2271 l/h) adjustable FML Series Type MV 1" conn.     |
| FMLZT020MV | Panel type square flowmeter 20 GPM (454,20-4542 l/h) adjustable FML Series Type MV 1" conn.    |

## ROFM-LZS LT

## Long-Tube Axial Flow Meters Without Guide Rod



Suitable for brine and/or hydrochloric acid (HCl) and sodium hydroxide (NaOH)

| Item-Nr:     | Description:                                                             |
|--------------|--------------------------------------------------------------------------|
| FMLZS00025LT | Axial flow meter 25-250 l/h (LONG TUBE) Ø20 connection without guide rod |
| FMLZS00040LT | Axial flow meter 40-400 l/h (LONG TUBE) Ø20 connection without guide rod |
| FMLZS00060LT | Axial flow meter 60-600 l/h (LONG TUBE) Ø20 connection without guide rod |



## ROFM-LZS ST

## Axial flow meters with guide rod – Short tube



Suitable for water

| Item-Nr:     | Description:                                                                |
|--------------|-----------------------------------------------------------------------------|
| FMLZS00025ST | Axial flow meter 25–250 l/h (SHORT TUBE) Ø20 connection with guide rod      |
| FMLZS00040ST | Axial flow meter 40–400 l/h (SHORT TUBE) Ø20 connection with guide rod      |
| FMLZS00060ST | Axial flow meter 60–600 l/h (SHORT TUBE) Ø20 connection with guide rod      |
| FMLZS00100ST | Axial flow meter 100–1000 l/h (SHORT TUBE) Ø20 connection with guide rod    |
| FMLZS00160ST | Axial flow meter 160–1600 l/h (SHORT TUBE) Ø32 connection with guide rod    |
| FMLZS00300ST | Axial flow meter 300–3000 l/h (SHORT TUBE) Ø32 connection with guide rod    |
| FMLZS00400ST | Axial flow meter 400–4000 l/h (SHORT TUBE) Ø40 connection with guide rod    |
| FMLZS00600ST | Axial flow meter 600–6000 l/h (SHORT TUBE) Ø40 connection with guide rod    |
| FMLZS01000ST | Axial flow meter 1000–10000 l/h (SHORT TUBE) Ø63 connection with guide rod  |
| FMLZS01600ST | Axial flow meter 1600–16000 l/h (SHORT TUBE) Ø63 connection with guide rod  |
| FMLZS05000ST | Axial flow meter 5000–50000 l/h (SHORT TUBE) Ø75 connection with guide rod  |
| FMLZS08000ST | Axial flow meter 8000–40000 l/h (SHORT TUBE) Ø75 connection with guide rod  |
| FMLZS12000ST | Axial flow meter 12000–60000 l/h (SHORT TUBE) Ø75 connection with guide rod |

## PRESSURE GAUGES FOR INDUSTRIAL RO SYSTEMS

### AC O/I PG Inox Back

Pressure gauge body in stainless steel back connection



Glycerine-filled pressure gauges, with stainless steel casing, rear connection for rear panel mount

| Item-Nr:       | Description:                                                                              |
|----------------|-------------------------------------------------------------------------------------------|
| PGF63OXB10R02T | Oil-filled pressure gauge Ø63 stainless steel S304 0-10 bar back connection 1/4" in brass |
| PGF63OXB16R02T | Oil-filled pressure gauge Ø63 stainless steel S304 0-16 bar back connection 1/4" in brass |
| PGF63OXB25R02T | Oil-filled pressure gauge Ø63 stainless steel S304 0-25 bar back connection 1/4" in brass |

### AC O/I PG Inox Radial

Pressure gauge body in stainless steel radial connection



Glycerine-filled pressure gauges, with stainless steel casing, radial connection for vertical mount

| Item-Nr:       | Description:                                                                                |
|----------------|---------------------------------------------------------------------------------------------|
| PGV63OXB10R02T | Oil-filled pressure gauge Ø63 stainless steel S304 0-10 bar radial connection 1/4" in brass |
| PGV63OXB16R02T | Oil-filled pressure gauge Ø63 stainless steel S304 0-16 bar radial connection 1/4" in brass |
| PGV63OXB25R02T | Oil-filled pressure gauge Ø63 stainless steel S304 0-25 bar radial connection 1/4" in brass |



## AC O/I Micro - Needle valve - brass

## Needle valves - Micro Series - Brass



### EXTERNAL STRUCTURE

OT58P brass

WORKING PRESSURES 0 bar < P < 16 bar

MAXIMUM TEMPERATURES -20°C +90°C

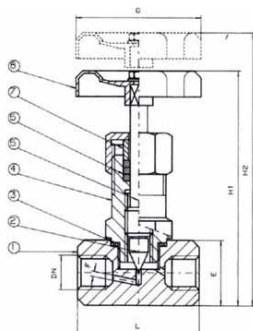
INTERNAL COMPONENTS OT58 brass

| Item-Nr:       | Description:                                                       |
|----------------|--------------------------------------------------------------------|
| RSOT58A104FFST | Flow regulating needle valve MicroB in brass inlet/outlet 1/4" F/F |

## NEEDLE VALVES

### Rubinetti a spillo-Needle valve NV03-S Series

Needle valves in AISI316L Stainless steel NV03-S Series



| DIMENSIONI / DIMENSIONS |      |      |      |      |     |        |        |      |  |
|-------------------------|------|------|------|------|-----|--------|--------|------|--|
| DN                      | 1/4" | 3/8" | 1/2" | 3/4" | 1"  | 1 1/4" | 1 1/2" | 2"   |  |
| DN                      | 6    | 10   | 15   | 20   | 25  | 32     | 40     | 50   |  |
| L                       | 60   | 60   | 60   | 70   | 75  | 90     | 100    | 120  |  |
| F                       | 5    | 6    | 6    | 7.5  | 9   | 11.5   | 16     | 19   |  |
| E                       | 30   | 30   | 30   | 35   | 40  | 50     | 60     | 70   |  |
| G                       | 70   | 70   | 70   | 70   | 80  | 90     | 125    | 125  |  |
| H1                      | 115  | 115  | 115  | 118  | 136 | 165    | 175    | 185  |  |
| H2                      | 127  | 127  | 127  | 129  | 147 | 177    | 187    | 197  |  |
| KG                      | 0.55 | 0.55 | 0.55 | 0.73 | 1   | 1.15   | 2.7    | 4.05 |  |

Handwheel operated Connection: ISO 228 female/female thread  
 Material: Aisi 316 dimensions: from 1/4" to 2"  
 Operating temperature: -20°C +160°C - Outer finish: Polished  
 Other options on request

| Item-Nr:      | Description:                                               |
|---------------|------------------------------------------------------------|
| RS316L100FFVP | Needle valve Serie NV3-S stainless st. AISI316L 1" F/F     |
| RS316L102FFVP | Needle valve Serie NV3-S stainless st. AISI316L 1/2" F/F   |
| RS316L104FFVP | Needle valve Serie NV3-S stainless st. AISI316L 1/4" F/F   |
| RS316L112FFVP | Needle valve Serie NV3-S stainless st. AISI316L 1 1/2" F/F |
| RS316L304FFVP | Needle valve Serie NV3-S stainless st. AISI316L 3/4" F/F   |
| RS316L308FFVP | Needle valve Serie NV3-S stainless st. AISI316L 3/8" F/F   |

## ROTARY VANE PUMPS

### Rotary vane pumps - Brass Rotary vane pumps in brass



The combination of high performance and compact dimensions makes this series one of the most widely used on the market. These rotary vane pumps ensure quiet operation, constant flow rate, and high reliability even in demanding applications. Manufactured with a brass pump body, they are available with or without a bypass valve and with different seal materials (NBR, EPDM, or FKM) to suit a wide range of fluids and operating conditions.

Ideal for beverage dispensing, water treatment, reverse osmosis, professional coffee machines, misting systems, and industrial liquid transfer applications.

#### Main Features

- Self-priming positive displacement rotary vane pumps
- Quiet and smooth operation
- Constant and accurate flow rate
- High reliability and long service life
- Maximum pressure up to 18 bar
- Flow rates from 60 to 500 l/h
- Brass pump body
- 3/8" and 1/2" BSP threaded connections

Compatible with IEC 63, IEC 71, and IEC 80 standard motors, as well as special 48YZ motors

| Item-Nr:        | Description:                                                                 |
|-----------------|------------------------------------------------------------------------------|
| PR1AC1N_AGNA    | Rotary vane pump in brass 100 l/h with low-profile bypass - in/out 3/8" GAS  |
| PR1AH1N_AGNA    | Rotary vane pump in brass 100 l/h without bypass - in/out 3/8" GAS           |
| PR2AC1N_AGNA    | Rotary vane pump in brass 200 l/h with low-profile bypass - in/out 3/8" GAS  |
| PR2AH1N_AGN     | Rotary vane pump in brass 200 l/h without bypass - in/out 3/8" GAS           |
| PR3AC1N_AGNA    | Rotary vane pump in brass 300 l/h with low-profile bypass - in/out 3/8" GAS  |
| PR3AH1N_AGN     | Rotary vane pump in brass 300 l/h without bypass - in/out 3/8" GAS           |
| PR4AC1N_AGNA    | Rotary vane pump in brass 400 l/h with low-profile bypass - in/out 3/8" GAS  |
| PR4AH1N_AGN     | Rotary vane pump in brass 400 l/h without bypass - in/out 3/8" GAS           |
| PRG6AH1N_GGN    | Rotary vane pump in brass 600 l/h without bypass - in/out 1/2" GAS           |
| PRG6AS1N_GGNE   | Rotary vane pump in brass 600 l/h with low-profile bypass - in/out 1/2" GAS  |
| PRG8AH1N_GGN    | Rotary vane pump in brass 800 l/h without bypass - in/out 1/2" GAS           |
| PRG8AS1N_GGNE   | Rotary vane pump in brass 800 l/h with low-profile bypass - in/out 1/2" GAS  |
| XPRG10AH1N_GGN  | Rotary vane pump in brass 1000 l/h without bypass - in/out 1/2" GAS          |
| XPRG10AS1N_GGNE | Rotary vane pump in brass 1000 l/h with low-profile bypass - in/out 1/2" GAS |

## Rotary vane pump - INOX

## Rotary vane pumps in stainless steel



The combination of high performance and compact dimensions makes this series one of the most popular choices for applications requiring maximum corrosion resistance, high hygiene standards, and compatibility with aggressive fluids.

These rotary vane pumps ensure quiet operation, constant flow rate, and outstanding reliability, even under continuous-duty conditions.

Compared to brass versions, the stainless steel pump body provides superior resistance to corrosion, improved suitability for cleaning and sanitizing processes, and greater compatibility with food, pharmaceutical, and chemical applications.

Thanks to the characteristics of stainless steel, these pumps are the ideal solution for food and beverage applications, water treatment, reverse osmosis systems, washing and sanitizing equipment, pharmaceutical processes, and industrial applications requiring high cleanliness, chemical resistance, and long service life.

### Main Features

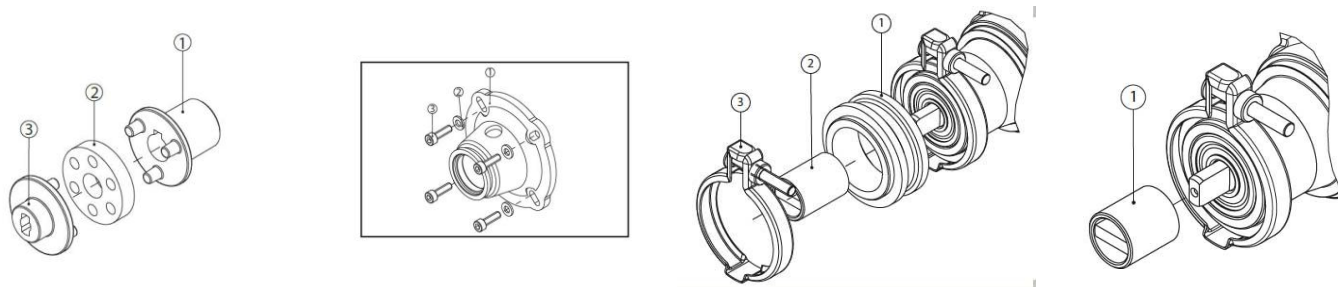
- Self-priming positive displacement rotary vane pumps
- Stainless steel pump body
- Excellent resistance to corrosion and oxidation
- Suitable for food-grade fluids, treated water, and compatible technical liquids
- Quiet and smooth operation
- Constant and accurate flow rate
- High reliability and long service life
- Maximum pressure up to 18 bar
- Flow rates from 60 to 500 l/h
- Available with or without bypass valve
- NBR, EPDM, or FKM seals
- 3/8" and 1/2" BSP threaded connections

Compatible with IEC 63, IEC 71, and IEC 80 standard motors  
Also available with special 48YZ motor connection

| Item-Nr:        | Description:                                                                        |
|-----------------|-------------------------------------------------------------------------------------|
| PR1AHXN_AGN     | Rotary vane pump in stainless steel 100 l/h without bypass - in/out 3/8" GAS        |
| PR1ASXN_AGNF    | Rotary vane pump in stainless steel 100 l/h with standard bypass - in/out 3/8" GAS  |
| PR2AHXN_AGN     | Rotary vane pump in stainless steel 200 l/h without bypass - in/out 3/8" GAS        |
| PR2ASXN_AGNF    | Rotary vane pump in stainless steel 200 l/h with standard bypass - in/out 3/8" GAS  |
| PR3AHXN_AGN     | Rotary vane pump in stainless steel 300 l/h without bypass - in/out 3/8" GAS        |
| PR3ASXN_AGNF    | Rotary vane pump in stainless steel 300 l/h with standard bypass - in/out 3/8" GAS  |
| PR4AHXN_AGN     | Rotary vane pump in stainless steel 400 l/h without bypass - in/out 3/8" GAS        |
| PR4ASXN_AGNF    | Rotary vane pump in stainless steel 400 l/h with standard bypass - in/out 3/8" GAS  |
| PRG5AHXN_GGN    | Rotary vane pump in stainless steel 500 l/h without bypass - in/out 1/2" GAS        |
| PRG6AHXN_GGN    | Rotary vane pump in stainless steel 600 l/h w/out bypass - in/out 1/2" GAS          |
| PRG6ASXN_GGNF   | Rotary vane pump in stainless steel 600 l/h with standard bypass - in/out 1/2" GAS  |
| PRG8AHXN_GGN    | Rotary vane pump in stainless steel 800 l/h without bypass - in/out 1/2" GAS        |
| PRG8ASXN_GGNF   | Rotary vane pump in stainless steel 800 l/h with standard bypass - in/out 1/2" GAS  |
| XPRG10AHXN_GGN  | Rotary vane pump in stainless steel 1000 l/h without bypass - in/out 1/2" GAS       |
| XPRG10ASXN_GGNF | Rotary vane pump in stainless steel 1000 l/h with standard bypass - in/out 1/2" GAS |

## Rotary vane pumps - Accessories

### Accessories for rotary vane pumps and electric motors



| Item-Nr: | Description:                                          |
|----------|-------------------------------------------------------|
| PR2194   | Complete coupling IEC 71 for 0.37 kW motor            |
| PR2195   | Complete coupling IEC 80 for 0.55 kW and 0.75kW motor |
| PR2196   | IEC 71 Adapter Assembly for 0.37 kW Motor             |
| PR2197   | IEC 80 Adapter Assembly for 0.55 kW and 0.75kW Motor  |
| PR2200   | IEC 63 Adapter Assembly for 0.18 kW Motor             |
| PR2201   | Complete coupling IEC 63 for 0.18 kW motor            |

## ELECTRIC MOTORS

### Motori elettrici-Electric motors

### Electric motors - single phase



| Item-Nr:   | Description:                                                    |
|------------|-----------------------------------------------------------------|
| 110238.17  | Motor 640 watt - 230 volt 50Hz 1 phase 1400 rpm IP55 4 poles    |
| 110250.13  | Motor 245 watt - 230 volt 50Hz 1400 rpm                         |
| 110380.08  | Motor 560 watt - 230 volt 50Hz 1 phase 1360 rpm 48yz            |
| 110827.00  | Motor 550 watt - 230 volt 50 Hz closed IP55 4 poles             |
| 110A5601   | Motor 370 watt - 230 volt 50/60Hz 1 phase 1400 rpm 4 poles      |
| 123710     | Motor 370 watt - 230 volt 50Hz 1 phase 1400 rpm 71B3B14 4 poles |
| 123746     | Motor 550 watt - 230 volt 50Hz 1 phase 1400 rpm 80B3B14 4 poles |
| 123783     | Motor 750 watt - 230 volt 50Hz 1 phase 1400 rpm IEC80 4 poles   |
| C011503    | Motor 245 watt - 230 volt 50Hz 1 fase 1400 rpm 48yz             |
| C031303    | Motor 180 watt - 230V 50Hz semi-open 4 poles                    |
| SEMLH634C2 | Motor 180 watt - B3B14 220 volt 1 phase GR63 4 poles            |

## COMPONENTS FOR POINT OF USE HOUSE AND HO.RE.CA WATER SYSTEMS

### SERB O/I

### RO Storage tanks



| Item-Nr:      | Description:                                              |
|---------------|-----------------------------------------------------------|
| ROST020SWP00  | 2-gallon (7.57 litre) white painted metal storage tank    |
| ROST028SWP00  | 2.8-gallon (10.60 litre) white painted metal storage tank |
| ROST032PLW000 | 3.2-gallon (12.11 litre) white plastic storage tank       |
| ROST032SWP000 | 3.2-gallon (12.11 litre) white painted metal storage tank |
| ROST040PLW    | 4-gallon (15.15 litre) white plastic storage tank         |
| ROST110SBP    | 11-gallon (41.65 litre) white painted metal storage tank  |
| ROST200SBP00  | 20-gallon (75.70 litre) blue painted metal storage tank   |

### POMPE OSMOSI SH

### RO diaphragm booster pumps SH Series



| Item-Nr:      | Description:                                                                                       |
|---------------|----------------------------------------------------------------------------------------------------|
| ROBPSH480900T | BP-900 SHP Diaphragm RO-booster pump 4.5 l/m quick couplings 3/8" spigot including 36V transformer |
| TRASFSH3640   | BP-900 SHP Replacement transformer for 36V diaphragm pump                                          |

## AC O/I

## Accessories for household RO systems



| Item-Nr:       | Description:                                                                                               |                                                                                       |
|----------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 10150151       | Single straight solenoid valve Type EK 220 v 8l/m inlet connection 3/4" BSPT M - hose connection 10.5 Myra |    |
| 10155182       | Single solenoid valve w/water meter Type EK 220V 8l/m inlet 3/4" BSPT M x hose connection 10.5 Osmostar    |   |
| 28013603F      | Fixing bracket for single solenoid valve Type EK                                                           |  |
| EVDPA220S08ER  | Double solenoid valve straight Type ER 220v 8l/m quick coupling hose 8 mm (5/16") Osmostar                 |  |
| EVDPA220S08SLE | Double solenoid valve, angled Type SLE 220V 8l/m PA hoze nozzle ø10,5x12 Daphne                            |  |
| FT121412OTCR   | Adapter for water sampling ball valve 1/2" - 1/4" - 1/2"                                                   |  |
| FT381438OTCR   | Adapter for water sampling ball valve 3/8" - 1/4" - 3/8"                                                   |                                                                                       |
| ROCD200212B    | PVC double clip Ø 50-63 mm (2" - 2 1/2")                                                                   |  |



ROCD212212B PVC double clip Ø 63-63 mm (2 1/2" - 2 1/2")

ROCS000100B PVC single clip Ø 63 mm (2 1/2")

ROCS000100BK PVC single clip Ø 63 mm (2 1/2") without nut

ROCS000200B PVC single clip Ø 50 mm (2")

ROCS0300100B Single PVC clip 3"

RODCQF001 Drain bracket for reverse osmosis with screws 1/4" quick connection

ROFR300L014FF Inline flow restrictor 300 ml/min 1/4" F/F connections

ROFR300L014QF Inline flow restrictor 300 ml/min quick-connect 1/4" F/F connections

ROFR400L014FF Inline flow restrictor 400 ml/min 1/4" F/F connections

ROFR400L014QF Inline flow restrictor 400 ml/min quick-connect 1/4" F/F connections

ROHPS014QF High-pressure switch quick-connect 1/4"

ROLPS014QF Low-pressure switch quick-connect 1/4"

ROSO002QF Shut-off valve with 1/4" push-in quick fittings

ROTV000001MF Tank ball valve 1/4" M/F

TEFL00750910 Teflon band 0,075x9x10 mm - roll

TEFL00751210 Teflon band 0,075x12x10 mm - roll

TEFL00751220 Teflon band 0,075x12x20 mm - roll

V731VN20PJ6AIF 3-way solenoid valve assembly 220V in/out quick Ø6 mm

VASFG038OTCR Inlet water supply kit 3/8" FF ball valve 3/8" - blue

VASFN012OTCR Inlet water supply kit 1/2" MF ball valve 3/8"F - blue



**AC O/I PG ABS Back**
**Recessed Pressure gauge body in ABS back connection**


Dry plastic case centre back entry with panel mounting fixing ring and chrome-plated plastic bezel - F+R type

| Item-Nr:       | Description:                                                                |
|----------------|-----------------------------------------------------------------------------|
| PGI40SPA16P01T | Pressure gauge Ø 40 dry Body in ABS 0-16 bar rear connection R1/8" in brass |

## POCKET ELECTRONIC METERS

### EL-TESTER ORP

Digital ORP meter



Item-Nr:

Description:

ROORP01

Digital ORP meter (with backlight)

### EL-TESTER TDS

TDS digital tester



Item-Nr:

Description:

ROTDS02F

TDS (range 1-1999 ppm) and temperature (C° and F°) meter - yellow (with backlight)

### EL-TESTER pH

Digital pH meter



Item-Nr:

Description:

ROPHH01F

Yellow digital pH meter (backlit)

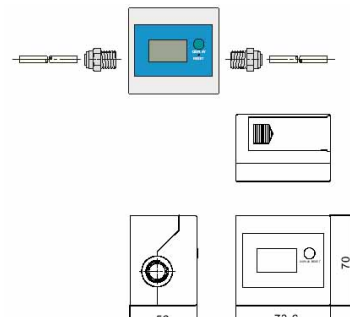
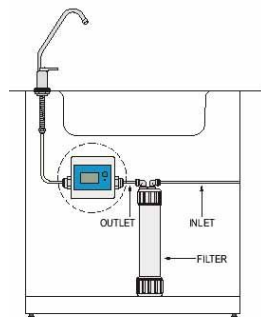
ROPHH01FR

Red digital pH meter (backlit)

## DOMESTIC DIGITAL WATER METERS

### DIGIFLOW 8000-T

### Digital Flow Meter Digiflow 8000 T



The DigiFlow series filter monitors combines the microprocessor control board and the paddlewheel / turbine flow sensor to provide exactly measurement and control of water flow rate and volume. The filter monitors applied on the water filters, coolers and dispenser helps to measure water dispensed and monitor filter life to assure their functionality. Monitoring filter life by volume capacity and elapse time. The DigiFlow 8000T is a filter monitor with LCD display. It monitors volume capacity and/or operating time of filter by customer's programming. The programming procedure is easy to understand and operate. Both of the gallon and liter models are available. For the gallon model, the monitoring volume capacity is programmable from 100 to 9900 gallons. For the liter model, it is programmable from 500 to 99500 liters. The monitoring operating time of the gallon and liter models are programmable from 30 to 720 days, or just disable.

#### End of filter life alert

The DigiFlow 8000T generates an audible alert when the monitoring volume capacity or operating time reaches the end. Real time flow rate indicating. Besides the monitoring function, the DigiFlow 8000T provides flow rate indicating. The DigiFlow 8000T comes with a 3/8" NPT female thread, which is adapted to most of the fittings to connect with filters. No external power needed. The DigiFlow 8000T is operated by two AAA alkaline batteries which power lasts more than one year. The last status data will be automatically memorized when the battery power is off.

#### Item-Nr:

#### Description:

DF8000TL

DigiFlow 8000T digital flow meter and timer

## DIGIFLOW 6100-R

## DigiFlow 6100-R, multi-filter monitor and flow totalizer



**Features :** Up to 5 filter capacity life monitor, up to 99500 liters  
End of filter life alert - Battery operated, 2 AA batteries  
Low battery power alert Automatic data memorized when battery power is off  
**Application :** Residential water treatment system, Commercial water treatment system, Water dispenser, Water cooler

**Electrical :** Operating Voltage : 3 DC Volts  
Operating Current : 1.0 mA (work), 0.015 mA (sleep)  
**Application :** Mounting Method : Vertical or Horizontal  
Flowing Direction : One direction  
Flow Rate : 1.5 – 25.0 liter/minute  
Flow media : Water  
**General :** Temperature : 0 to 80 °C (no freezing) -  
Pressure : Max. 8.0 bar - Weight : 140 g - Accuracy : +/- 10 %  
Connection : 1/2" BSP male  
**Materials :** Sensor housing : PPS with 40% glass fiber  
Turbine holder : Acetal Copolymer, TICONA M90  
Turbine : Plastic magnet Stick of turbine : ceramic  
O-Ring : EPDM Rubber

| Item-Nr: | Description:                                                  |
|----------|---------------------------------------------------------------|
| DF6100R  | DigiFlow 6100R, BSP 1/4" connection, 1.5 m cable, 0.6–8 L/min |

## DIGIFLOW 6000-R

## DigiFlow 6000-R, LCD display multi-filter monitor and flow totalizer



**Features :**  
Flow volume totalized up to 99500 liters; Programmable up to 5 filter capacity monitoring; End of filter life alert; Battery operated, 2 AAA batteries  
Automatic data memorized when battery power is off  
**Application :**  
Under sink water treatment system; Counter top water treatment system; Commercial water treatment system; Water dispenser

**Electrical :**  
Operating Voltage : 3 DC Volts; Operating Current : 1.0 mA (work), 0.015 mA (sleep); Flow Rate : 1.5 – 14.1 liter/minute  
**Application :**  
Mounting Method : Back Mount; Flowing Direction : Bi-Direction  
**General :**  
Temperature : 0 to 40°C (32 to 104°F); Pressure : Max.6.0 bar (85 psi); Weight : 140 g (5.38 oz); Accuracy : +/- 10%; Connection : 3/8 inch NPT Female

| Item-Nr: | Description:                                                                                   |
|----------|------------------------------------------------------------------------------------------------|
| DF6000R  | DigiFlow 6000R, multi-filter monitor and flow totalizer (litre mode), NPT 3/8", 1.5–14.0 L/min |

## DIGIFLOW 8300-T

## DigiFlow 8300-T, flow monitor. Liter mode



### Features :

Filter capacity monitor, programmed digit by digit; End of capacity alert;  
Minus counting; Battery operated, 2 AA alkaline batteries; Low battery power alert

### Application :

Water treatment system; Water dispenser, Water softener

### 1.0 Electrical :

Operating Voltage: 3 DC Volts; Operating Current: 1.0 mA (work), 0.015 mA (sleep); Mounting Method: Refer the following figure; Flowing Direction : one direction; Flow Rate: 1.0 - 15.0 liter/min.

### General :

Temperature : 0 to 80°C

Pressure : Max. 6.0 bar

Weight : 140 g

Accuracy : +/- 5 %

Connection : 3/8" inch BSP male

Materials : Sensor Body : PA66 with 50% glass fiber

Turbine : Acetal Copolymer, TICONA M90

Stick of Paddle Wheel : #304 Stainless Steel

O-Ring : EPDM Rubber

| Item-Nr:   | Description:                                                                      |
|------------|-----------------------------------------------------------------------------------|
| DF8300T-22 | DigiFlow 8300T-22, flow monitor (litre mode), BSP 3/8", 1.5 m cable, 0.8–15 L/min |

## WATER LEAKAGE SAFETY DEVICES

### AS-414 Auto shut-off safety valve AS-414 Auto shut-off safety water leakage valve w/acoustic alarm



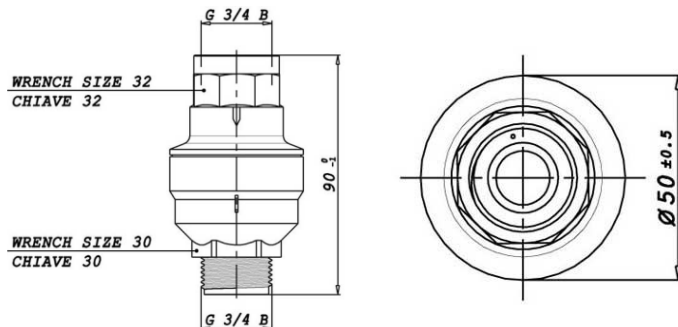
Auto shut off water when water leak is detected  
9V alkaline battery operated  
Auto shut off when low battery power  
Easy installation  
Protection for water filter, water softener

Specification :  
Operating voltage : 9V DC  
Supply current : typical 1.0 mA, maximum 15.0 mA.  
Cable length : 1.5 M for solenoid valve cord  
Connecting : 1/2" BSP male  
Water leak detecting method : Control unit with detecting metal put on the floor near water filter  
Environment temperature : -20 ~ 80°C  
Maximum Pressure : 6 Bar

| Item-Nr:    | Description:                                             |
|-------------|----------------------------------------------------------|
| ROSO003AUTO | AS-414 automatic water leak shut-off valve, 1/2" BSP M/M |

## WATER BLOCK

## WATER BLOCK Overflow Safety Device (Meter controlled)



The Water Block valve is an overflow safety device, which controls the maximum consumption of water between 5 and 50 litres. Its function is to measure the number of litres of water that have passed through it. If this quantity exceeds the set value, the Water Block stops the flow and keeps this safety condition until user intervention. If the water volume does not exceed the set value, the Water Block mechanically and automatically resets the measured volume and the Water block is ready to restart a new measurement cycle. The Water Block does not require external energy, simply water flow through it.

### General characteristics:

¾" - threaded female connection in the inlet (North America-GHT / Europe-BSP)

¾" - threaded male connection in the outlet (North America-GHT / Europe-BSP).

Vertical assembly preferred.

Maximum volume value setttable by 10 setting notches

Every notch increases the set volume of 5 +/-1 l/min

Food grade (WRAS, NSF pending) 2002/95/EC Directive (RoHS)

### Technical data:

Ambient temperature: 2 °C ÷ 60 °C

Fluid temperature: 2 °C ÷ 70 °C

Operating pressure: 0.02 ÷ 1 Mpa (0.2 ÷ 10 bar)

Flow rate: from 2 to 30 l/min (from 0.53 to 7.9 gpm)

Resistance to bursting: >5 Mpa (> 50 bar) at 25°C

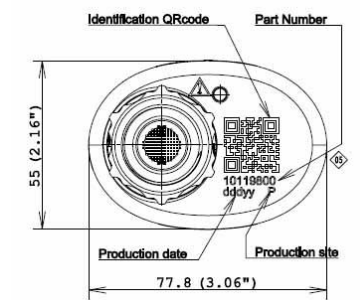
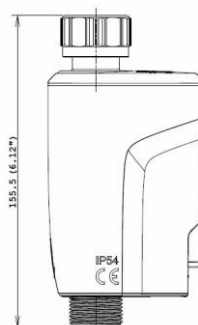
Rated life-span: >300.000 litre (> 79000 gal)

| Item-Nr:   | Description:                                          |
|------------|-------------------------------------------------------|
| WBLOCK     | Water Block overflow safety device (meter controlled) |
| WBLOCKTRIG | Reset trigger for Water Block overflow safety device  |



## E-WATER BLOCK

## E-WATER BLOCK Electronic overflow Safety Device (Meter controlled)



**E-WATERBLOCK** The intelligent device capable of detecting anomalies in the water supply and blocking the flow before damage to the rooms or excessive water consumption occurs. A simple and efficient solution that, in addition, contributes to the company sustainability report thanks to the control of waste of water. Easy to install: it is inserted upstream of the water connection and does not require any electrical connection or the use of tools or the intervention of professionals. The automatic blocking system in the event of leaks preserves environments and environmental water resources. The technological solution that contributes to the balance sheet of corporate sustainability.

Prevent damage caused by flooding and preserve water resources. **E-WATERBLOCK** is the optimal solution in terms of cost/benefit ratio, to protect work spaces and public places where equipment that uses the water network is installed. Such as: hotels, restaurants, offices, airports and stations, gyms and wellness centers, irrigation and camping. All equipment is under control thanks to status communication via the App and the risk of water damage is practically eliminated. Applications: Coffee Machines, Beverage Dispensers, Water Dispensers. Hot Drinks and Coffee Dispensers, Ice Dispensers.

| Item-Nr: | Description:                                                      |
|----------|-------------------------------------------------------------------|
| EWBLOCK  | E-WATERBLOCK Electronic overflow safety device (meter controlled) |

## CO2 CYLINDERS

### CO2-C

### Co2 Cylinders for Soda carbonation system



| Item-Nr: | Description:                                                      |
|----------|-------------------------------------------------------------------|
| BOCO2N10 | 1 kg food-grade CO2 cylinder                                      |
| BOCO2N20 | 2 kg food-grade CO2 cylinder with tulip valve and carrying handle |
| BOCO2N40 | 4 kg food-grade CO2 cylinder with tulip valve and carrying handle |

## CO2-PRESSURE REDUCER EG02

### Pressure reducer EG02 for Co2 Cylinders



Mod. EG02 for rechargeable CO2 Cylinders  
 Technical Specifications Material: Aluminum Alloy HR  
 Treatment: Anodized (Anthracite)  
 Inlet pressure: 10 to 160 bar  
 Outlet pressure: 0-5.5 bar [adjustable]  
 Gauges: DN 40 low pressure [0-10 bar]

Safety: Overpressure  
 Attack cylinder: Extension Adapter EU 21.8X1/14 "for refillable  
 Output: 1/8 female  
 Flow rate: 15 l / min  
 Size: 74X 84 Ø 38 mm  
 Weight: 195 g

| Item-Nr:      | Description:                                                                            |
|---------------|-----------------------------------------------------------------------------------------|
| GRRIC2EADA    | Extension adapter M11x1 → W21.8x1/14 "CO2 cylinders                                     |
| RIDCO2DRS1MST | Pressure reducer for CO2 Cylinders "DRS" 6 BAR with 1 gauge                             |
| RIDCO2DRS2MST | Pressure reducer for CO2 Cylinders "DRS" 6 BAR with 2 gauges LP/HP EU21.8X1/14" AL/GREY |



## DOSING PUMPS, DOSING SYSTEMS, MEASURING SYSTEMS

DOSING PUMPS - TEST KITS - PULSE EMITTING WATER METERS - TANKS FOR DOSING SYSTEMS - MIXERS - MEASURING INSTRUMENTS

## DOSING PUMPS

### EMEC

### EMEC: dosing pumps, accessories and spare parts



EMEC products: dosing pumps, accessories and spare parts available.

Many items are available from stock, others can be ordered on request.

We apply discounts directly on the official EMEC price list.

Prices are based on the latest valid price list.  
Copy of the price list available on request.

Item-Nr:

Description:

EMEC

EMEC: dosing pumps, accessories and spare parts

### ETATRON

### ETATRON: dosing pumps, accessories and spare parts



ETATRON products: dosing pumps, accessories and spare parts available.

Many items are available from stock, others can be ordered on request.

We apply discounts directly on the official ETATRON price list.

Prices are based on the latest valid price list.  
Copy of the price list available on request.

Item-Nr:

Description:

ETATRON

ETATRON: dosing pumps, accessories and spare parts

## AQUASENTRA™ ECO in-line hardness analyzer

Hardness analysis (total hardness, residual hardness) and water alkalinity (carbonate hardness, positive m-value) (with good water/bad water signal).



Hardness analysis (total hardness, residual hardness) and water alkalinity (carbonate hardness, positive m-value) (with good water/bad water signal). Microprocessor-controlled colorimetric analyzer for monitoring water hardness with the following alarm set points (the set point is determined by the indicator type): Water hardness (total hardness, residual hardness) Water alkalinity (carbonate hardness, positive m-value) French degrees: 0.04 / 0.1 / 0.2 / 0.4 / 0.6 / 1.0 / 2.0 / 4.0 / 6.0 / 10.0 or 20.0 °fppm: 0.4 / 1.0 / 2.0 / 4.0 / 6.0 / 10 / 20 / 40 / 60 / 100 or 200 ppmmmol/l: 0.004 / 0.01 / 0.02 / 0.04 / 0.06 / 0.1 / 0.2 / 0.4 / 0.6 / 1.0 or 2.0 German degrees: 0.02 / 0.05 / 0.1 / 0.2 / 0.3 / 0.5 / 1.0 / 2.0 / 3.0 / 5.0 or 10.0 °dH French degrees: 2.0 / 3.0 / 4.0 or 6.0 °f German degrees: 1.0 / 1.5 / 2.0 or 3.0 °dH. The maximum value is determined by the indicator. Only the type of analysis (water hardness or alkalinity) needs to be programmed; the reagent type does not. The AQUASENTRA ECO system qualitatively monitors the water softening system and thus helps prevent problems or damage caused by water hardness. This saves water, time and chemicals that would otherwise be required for possible premature regeneration of the system. Various messages are shown on the display, which may refer to: softened water, hard water, analysis in progress, repeat analysis (with bad water result), indicator low pre-alarm (<10%), indicator empty (100% consumed), errors, analyzer operation, analysis stopped. In addition to the display, the instrument is equipped with: Outputs: three relays – bad water (maximum value exceeded), error signals, control for a cooler or sample suction pump. Inputs: STOP or START analysis. Buttons: Start analysis, measuring chamber washing, alarm signal reset, manual indicator dosing. SD card for analysis results and errors with date/time Programmable analysis interval: 5, 10, 20 or 30 minutes. Manual analyses are also possible. Repeat of a bad analysis: an analysis can be repeated without triggering an alarm signal Comprehensive operation monitoring: alarm reset, monitoring of connected components internal operation check. Simple programming with quick parameter selection.

Minimum indicator consumption: 0.07 ml per analysis. No water consumption while analysis is stopped. Low maintenance costs, with replacement of only a few simple components. The instrument is intended for industry as well as smaller facilities, such as: apartment buildings, hotels, restaurants, laundries. How the analysis is performed: opening of the inlet solenoid valve – washing of the measuring chamber for a programmable time - checking water transparency (zero point) - dosing of the indicator via a peristaltic pump - measured hardness result (with display of the measured hardness) - final washing of the measuring chamber - the equipment stops waiting for the next analysis (timed, manual or via an external signal). Technical data AQUASENTRA ECO: Power supply: 230V 50-60Hz (exactly: 85-264 Volt, 47-63 Hz or 24V AC/DC Power consumption: 25 VA Protection rating with mounting enclosure: IP 56 Weight with mounting enclosure: 1.9 Kg Dimensions with mounting enclosure: width x height x depth 300x380x120 mm Indicator quantity in bottle: 500 ml Indicator consumption: 5000 analyses with 1 bottle (500ml) Relay outputs: 3 outputs, max. load 250V 4A (maximum value, alarm, analysis in progress) Input: 1 input, max. load 18V 12mA (STOP or START analysis) SD card: analysis results and errors Analysis interval: 5, 10, 20 or 30 minutes Washing time: programmable approx. 0.5 to 10 minutes Water quality to be analyzed: Temperature: 5° - 40° C Optically: transparent, colorless, free of suspended substances, without air bubbles and CO2 Chemically: pH 4 - 10.5, iron <3ppm, copper <0.2ppm, aluminium <0.1ppm, manganese <0.2ppm acid capacity K S4.3 <5mmol/l Water pressure: 0.2-6 bar (2x104 - 6x105 Pa) Drain: pressure-free (funnel) Inlet/drain water connection: flexible hose, 6 mm outside diameter

| Item-Nr: | Description:                                                                 |
|----------|------------------------------------------------------------------------------|
| HA800832 | AquaSentra™ Eco 230V 50-60 Hz in-line hardness analyzer in box 0,2 à 0,6 ate |
| HA800834 | AquaSentra™ Eco 24V AC-DC in-line hardness analyzer in box 0,2 à 0,6 ate     |



## AQUASENTRA™ SC in-line hardness analyzer

Hardness analysis (total hardness, residual hardness) and water alkalinity (carbonate hardness, positive m-value) (with graphic display)



Hardness analysis (total hardness, residual hardness) and water alkalinity (carbonate hardness, positive m-value) (with graphic display) Microprocessor-controlled colorimetric analyzer for monitoring water hardness with the following measuring ranges: Measuring range (depending on the indicator type) Water hardness (total and residual) Alkalinity (carbonate hardness, positive m-value) French degrees: 0.022 - 53.57 °f German degrees: 0.012 - 30 °dH English degrees: 0.02 - 37.59 °e ppm CaCO<sub>3</sub>: 0.22 - 534 ppm CaCO<sub>3</sub> mmol/l: 0.002 - 5.3 mmol/l mg/l: 0.22 - 534 mg/l French degrees: 0.54 - 40.2 °f German degrees: 0.3 - 22.5 °dH Application (for example): monitoring water hardness after a softener, for the protection of a reverse osmosis system. The analyzer is equipped with: display of the measured hardness result. 2 programmable relay outputs: maximum value, alarm and/or fault 1 output 0(4) - 20mA: analysis result (linear hardness) and operation 1 digital input: start analysis. SD card connection: saving and transferring data/results/errors with date and time, software update. A poor analysis can be repeated (just after exceeding the maximum value, without triggering an alarm signal) Comprehensive operation control program, relay activation, LED activation, accessory monitoring. How the analysis is performed: opening of the inlet solenoid valve - washing of the measuring chamber for a programmable time - checking water transparency (zero point) - dosing of the indicator via a peristaltic pump - measured hardness result (with display of the measured hardness) - final washing of the measuring chamber - the equipment stops waiting for the next analysis (timed, manual or via an external signal).

Certifications/instructions: CE certification documentation in Italian (English, French, German etc. available on request) Technical data AQUASENTRA SC IQ: Power supply: 230V 50-60Hz (exactly: 85-264V, 47-63 Hz) 24V AC/DC Power consumption: 25 VA Protection rating with enclosure: IP 56 Weight mounted with enclosure: 3.0 Kg Dimensions mounted on plate: width x height x depth 280x360x113 mm Dimensions mounted in enclosure: width x height x depth 300x390x130 mm Indicator quantity in bottle: 500 ml Indicator consumption: 10,000 analyses with softened water result Outputs: 2 relay outputs, max. 250V 4A (hardness alarm, generic alarm, fault) 1 analog output 0(4) - 20mA (analysis result or current equipment status) 1 SD card Input: 1 input, max. 18V 12mA (start analysis) Analysis interval: programmable 3 - 9,999 minutes and via external contact Water quality to be analyzed: Temperature: 5° - 40° Optically: transparent, colorless, free of suspended substances, without air bubbles and CO<sub>2</sub> Chemically: pH 4 - 10.5, iron <3ppm, copper <0.2ppm, aluminium <0.1ppm, manganese <0.2ppm acid capacity K S4.3 <5mmol/l Water pressure: 0.2-6 bar (2x10<sup>4</sup> - 6x10<sup>5</sup> Pa) Drain: pressure-free (funnel) Inlet/drain water connection: flexible hose, 6 mm outside diameter

| Item-Nr: | Description:                                                                |
|----------|-----------------------------------------------------------------------------|
| HA800841 | AquaSentra™ SC 230V 50-60 Hz in-line hardness analyzer in box 0,2 à 0,6 ate |
| HA800843 | AquaSentra™ SC 24V AC-DC in-line hardness analyzer in box 0,2 à 0,6 ate     |

## AQUASENTRA™ PRO in-line hardness analyzer

Hardness analysis (total hardness, residual hardness) and water alkalinity (carbonate hardness, positive m-value) (with graphic display).



Hardness analysis (total hardness, residual hardness) and water alkalinity (carbonate hardness, positive m-value) (with graphic display). Microprocessor-controlled colorimetric analyzer for monitoring water hardness with the following measuring ranges: Measuring range (depending on the indicator type) Water hardness (total and residual) Alkalinity (carbonate hardness, positive m-value) French degrees: 0.022 - 53.57 °f German degrees: 0.012 - 30 °dH English degrees: 0.02 - 37.59 °e ppm CaCO<sub>3</sub>: 0.22 - 534 ppm CaCO<sub>3</sub> mmol/l: 0.002 - 5.3 mmol/l mg/l: 0.22 - 534 mg/l French degrees: 0.54 - 40.2 °f German degrees: 0.3 - 22.5 °dH Application example: monitoring water hardness after a softener, for the protection of a reverse osmosis system. With display of the measured hardness and possibility of calibration with a calibration solution (optional) or calibration with local water. The analyzer is equipped with: display of the measured hardness result. 4 programmable relay outputs: maximum value one, maximum value two (or minimum and maximum value), control for a cooler, washing valve, pump, fault, indicator shortage, remote signal. 1 output 0(4) -20mA: analysis result (linear hardness) and operation. 2 programmable digital inputs: water meter, turbine water meter (Hall), flow meter, external start or stop commands. MODBUS RTU connection. SD card connection: saving and transfer of data/results/errors with date and time, software update. A poor analysis can be repeated (just after exceeding the maximum value, without triggering an alarm signal). Comprehensive operation control program, relay activation, LED activation, accessory monitoring. How the analysis is performed: opening of the inlet solenoid valve – washing of the measuring chamber for a programmable time - checking water transparency (zero point) - dosing of the indicator via a peristaltic pump - measured hardness result (with display of the measured hardness) - final washing of the measuring chamber - the equipment stops waiting for the next analysis (timed, volumetric, manual or via an external signal).

Certifications/instructions: CE certification documentation in Italian (English, French, German etc. available on request). Technical data AQUASENTRA PRO: Power supply: 230V 50-60Hz (exactly: 85-264V, 47-63 Hz) 24V AC/DC Power consumption: 25 VA Protection rating with enclosure: IP 56 Weight mounted with enclosure: 3.0 Kg Dimensions mounted on plate: width x height x depth 280x360x113 mm Dimensions mounted with enclosure: width x height x depth 300x390x130 mm Indicator quantity in bottle: 500 ml Indicator consumption: 10,000 analyses with softened water result Relay outputs: 4 outputs, maximum load 250V 4A (hardness alarm, hardness pre-alarm, fault, indicator shortage, analysis contact) Inputs: 2 inputs, maximum load 18V 12mA (STOP or START analysis, water meter) Additional outputs: 0(4) -20mA hardness result or equipment operation MODBUS (CANBUS optional) SD card (Results, errors) Analysis interval: programmable 3 to 9,999 minutes Washing time: programmable 0.5 to 10 minutes Water quality to be analyzed: Temperature: 5° - 40° Optically: transparent, colorless, free of suspended substances, without air bubbles and CO<sub>2</sub> Chemically: pH 4 - 10.5, iron <3ppm, copper <0.2ppm, aluminium <0.1ppm, manganese <0.2ppm acid capacity K S4.3 <5mmol/l Water pressure: 0.2-6 bar (2x10<sup>4</sup> - 6x10<sup>5</sup> Pa) Drain: pressure-free (funnel) Inlet/drain water connection: flexible hose, 6 mm outside diameter

| Item-Nr: | Description:                                                                 |
|----------|------------------------------------------------------------------------------|
| HA800851 | AquaSentra™ Pro 230V 50-60 Hz in-line hardness analyzer in box 0,2 à 0,6 ate |
| HA800856 | AquaSentra™ Pro 24V AC-DC in-line hardness analyzer in box 0,2 à 0,6 ate     |

## AQUASENTRA™ Accessories

## Accesories para AQUASENTRA™



| Item-Nr:  | Description:                                                       |
|-----------|--------------------------------------------------------------------|
| HA800030  | AquaSentra™ Cooler (up to 80°C) for ECO/SC/PRO versions            |
| HA800031  | AquaSentra™ Cooler (up to 120°C) for ECO/SC/PRO versions           |
| HA800083A | AquaSentra™ Cleaning kit for ECO/SC/PRO versions (air transport)   |
| HA800083C | AquaSentra™ Cleaning kit for ECO/SC/PRO versions (truck transport) |
| HA800875  | AquaSentra™ Prefilter for ECO/SC/PRO versions                      |

## AQUASENTRA™ Indicators Indicators for AQUASENTRA™



| Item-Nr: | Description:                                |
|----------|---------------------------------------------|
| HA800852 | AquaSentra™ Indicator 800S/500 500ml bottle |
| HA800855 | AquaSentra™ Indicator 800/500 500ml bottle  |
| HA800860 | AquaSentra™ Indicator 801/500 500ml bottle  |
| HA800862 | AquaSentra™ Indicator 802/500 500ml bottle  |
| HA800863 | AquaSentra™ Indicator 803/500 500ml bottle  |
| HA800865 | AquaSentra™ Indicator 805/500 500ml bottle  |
| HA800870 | AquaSentra™ Indicator 810/500 500ml bottle  |
| HA800875 | AquaSentra™ Indicator 820/500 500ml bottle  |
| HA800876 | AquaSentra™ Indicator 830/500 500ml bottle  |
| HA800878 | AquaSentra™ Indicator 850/500 500ml bottle  |



## TEST KITS

### AN-KIT

### Quick test kits IPT



| Item-Nr:   | Description:                                               |
|------------|------------------------------------------------------------|
| KA001001   | m-acidity tit. 1 °F                                        |
| KA001002   | p/m-alkalinity tit. 1 °F                                   |
| KA001003   | boiler-alkalinity (p and m) 1 epm                          |
| KA001004   | M-alkalinity tit. 1 °F                                     |
| KA001005   | p-alkalinity tit. 1 epm                                    |
| KA001006   | ammonia (Nessler) col.0,25-4 ppm                           |
| KA001007   | carbonic acid tit. (0,5 °F)                                |
| KA001008   | strong anions tit. (to be used with KA001001)              |
| KA001009   | calcium tit. (1 °F)                                        |
| KA001010   | chlorine total col.0,1-1,5 ppm                             |
| KA001011   | chlorine DPD col.0,1-1,5 ppm                               |
| KA001012   | chloride by titration 1 °F                                 |
| KA001013   | chromate col. 0,05-1 ppm                                   |
| KA001014   | deionisation col (pH)                                      |
| KA001015   | hardness tit. 1°F                                          |
| KA001016   | iron col. 0,05-1 ppm                                       |
| KA001017   | phosphate col. 1-20 ppm                                    |
| KA001018   | hydrazine col. 0,1-1,5 ppm                                 |
| KA001019   | nitrite col.                                               |
| KA001020   | pH 0-5 col.                                                |
| KA001021   | pH 6.8-8.4 col.                                            |
| KA001022   | pH 1-11 (univers) col.                                     |
| KA001023   | swim.pool pH, free and comb.Cl col.(phenol red and Cl DPD) |
| KA001023-1 | swim.pool pH and free Cl col.(phenol red and Cl DPD)       |
| KA001024   | silica col.(0,25-8 ppm)                                    |
| KA001025   | sulfite tit. 2 ppm                                         |
| KA001025-1 | sulfite tit. 10 ppm                                        |
| KA001026   | total alkalinity tit. 1 epm                                |
| KA001027   | boiler hardness tit. 1 °F                                  |
| KA001028   | nitrate col. 10-140 ppm                                    |
| KA001029   | hardness precipitation                                     |
| KA001030   | phosphate col.5-100 ppm                                    |

|          |                                                                          |
|----------|--------------------------------------------------------------------------|
| KA001031 | chloride colourimetric (0-80 ppm)                                        |
| KA001032 | residual hardness col 0,05-0,3 f degree (0,5 - 3 ppm CaCO <sub>3</sub> ) |
| KA001034 | bromine col. 0,2-3 ppm                                                   |
| KA001035 | molybdenum tit. 10 ppm                                                   |
| KA001039 | manganese col. 0,05-1,5 ppm                                              |
| KA001041 | cyanuric acid turb.                                                      |
| KA001043 | copper col.                                                              |
| KA001045 | sulfate turb.                                                            |
| KA001047 | chlorine dioxide 0,1-1,5 ppm                                             |

## AN-KIT ECONOMY

## LOW COST QUICK TEST KITS



| Item-Nr:   | Description:                            |
|------------|-----------------------------------------|
| KA005001HD | hardness 2 bottles indicator-titrant °D |
| KA005001HF | hardness 2 bottles indicator-titrant °F |
| KA005006HD | hardness 1 bottle indicator-titrant °D  |
| KA005006HF | hardness 1 bottle indicator-titrant °F  |
| KA005010   | swim.pool (total chlorine and pH)       |
| KA005011   | residual hardness titration             |
| KA005030   | pH 5-9,5 col.                           |

## AN-KIT-REAG T

## SPARE BOTTLES REAGENTS FOR TITRATION AND OTHER



| Item-Nr: | Description:             |
|----------|--------------------------|
| KA003203 | calcium A: 6 bottles     |
| KA003207 | chloride tit.A 6 bottles |
| KA003208 | chloride tit.B 6 bottles |
| KA003221 | sulfite A 6 bottles      |

|          |                                         |
|----------|-----------------------------------------|
| KA003222 | sulfite B 6 bottles                     |
| KA003247 | hardness A 6 bottles (for boiler water) |
| KA003250 | hardness precip.A 6 bottles 25 ml       |
| KA003251 | hardness precip.B 6 bottles 25 ml       |
| KA003252 | hardness precip. 1x250 A + 1x250 B      |
| KA003253 | hardness precip. 2x250 A                |
| KA003254 | hardness precip. 2x250 B                |
| KA003260 | soap solution 6 bottles 25 ml           |
| KA003261 | soap solution 6 bottles 250 ml          |
| KA003263 | molybdane tit. A 6 bottles              |
| KA003265 | molybdane tit. B 6 bottles              |

## AN-KIT REA CL

## SPARE BOTTLES COLORIMETRIC REAGENTS (6 bottle packages)



| Item-Nr: | Description:          |
|----------|-----------------------|
| KA003201 | ammonia A             |
| KA003202 | ammonia B             |
| KA003204 | chlorine total        |
| KA003209 | chromate A            |
| KA003210 | chromate B            |
| KA003211 | iron                  |
| KA003212 | residual hardness     |
| KA003213 | phosphate 1-20 ppm A  |
| KA003214 | phosphate 1-20 ppm B  |
| KA003215 | hydrazine             |
| KA003216 | nitrite               |
| KA003218 | silica A              |
| KA003219 | silica B              |
| KA003220 | silica C              |
| KA003239 | chlorine DPD A        |
| KA003240 | chlorine DPD B        |
| KA003241 | chlorine DPD C        |
| KA003244 | nitrate               |
| KA003255 | chloride col.A        |
| KA003256 | chloride col.B        |
| KA003257 | phosphate 5-100 ppm A |
| KA003258 | phosphate 5-100 ppm B |
| KA003266 | chlorine dioxide A    |

|          |                    |
|----------|--------------------|
| KA003267 | chlorine dioxide B |
| KA003268 | chlorine dioxide C |
| KA003276 | manganese col.A    |
| KA003278 | manganese col.B    |
| KA003279 | manganese col.C    |
| KA003282 | bromine A          |
| KA003283 | bromine B          |
| KA003284 | bromine C          |
| KA003286 | cyanuric acid      |
| KA003288 | sulphate A         |
| KA003290 | sulphate B         |
| KA003292 | copper A           |
| KA003294 | copper B           |

## AN-KIT RIC T 25

## SPARE BOTTLES TITRANTS (6 25 ml bottle packages)



| Item-Nr:   | Description:     |
|------------|------------------|
| KA003101   | alcalinity 1 °f  |
| KA003103   | alcalinity 1 epm |
| KA003105   | acidity 1°f      |
| KA003107   | calcium 1°f      |
| KA003109   | chloride 1°f     |
| KA003111   | hardness 1°f     |
| KA003113   | sulfite 2 ppm    |
| KA003113,1 | sulfite 10 ppm   |
| KA003123   | molybdane 10 ppm |

**AN-KIT RIC T 250**
**SPARE BOTTLES TITRANTS (6 250 ml bottle packages)**


| Item-Nr:   | Description:     |
|------------|------------------|
| KA003102   | alcalinity 1 °f  |
| KA003104   | alcalinity 1 epm |
| KA003106   | acidity 1°f      |
| KA003108   | calcium 1°f      |
| KA003110   | chloride 1°f     |
| KA003112   | hardness 1°f     |
| KA003114   | sulfite 2 ppm    |
| KA003114,1 | sulfite 10 ppm   |
| KA003124   | molybdane 10 ppm |

## PULSE EMITTING WATER METERS

### CNT-LFI

**Pulse emitting threaded water meters - Different K-factors and compact versions of the meters are available on request**



| Item-Nr:   | Description:                                                                        |
|------------|-------------------------------------------------------------------------------------|
| CLS050K025 | Reed type pulse emitter single jet with 1/2" threaded connection DN15 K 0.25 110 mm |
| CLS075K025 | Reed type pulse emitter single jet with 3/4" threaded connection DN20 K 0.25 130 mm |
| CLS100K025 | Reed type pulse emitter single jet with 1" threaded connection DN25 K 0.25 160 mm   |
| CLS125K025 | Reed type pulse emitter multi jet with 1.25" threaded connection DN32 K 0.25 260 mm |
| CLS150K001 | Reed type pulse emitter multi jet with 1.5" threaded connection DN40 K 1 300 mm     |
| CLS200K010 | Reed type pulse emitter multi jet with 2" threaded connection DN50 K 10 300 mm      |
| CLWBNCMEC  | BNC connector connection cable for EMEC pump – meter                                |
| CLWCREED   | Replacement REED cable                                                              |

### CNT-LFL

**Pulse emitting flanged water meters**

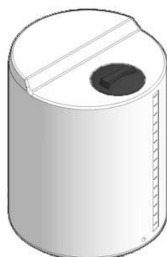


| Item-Nr:   | Description:                                                                        |
|------------|-------------------------------------------------------------------------------------|
| CLW200K010 | Inductive Woltmann type pulse emitter with 2" flanged connection DN50 K 10 200 mm   |
| CLW200K100 | Reed Woltmann type pulse emitter with 2" flanged connection DN50 K 100 200 mm       |
| CLW250K010 | Inductive Woltmann type pulse emitter with 2,5" flanged connection DN50 K 10 200 mm |
| CLW250K100 | Reed type Woltmann pulse emitter flanged connection 2 1/2" DN50 K 100 200 mm        |
| CLW300K010 | Inductive Woltmann type pulse emitter with 3" flanged connection DN80 K 10 225 mm   |
| CLW300K100 | Reed type Woltmann pulse emitter flanged connection 3" DN80 K 100 225 mm            |
| CLW400K010 | Inductive Woltmann type pulse emitter with 4" flanged connection DN100 K 10 250 mm  |
| CLW400K100 | Reed type Woltmann pulse emitter flanged connection 4" DN100 K 100 250 mm           |
| CLWCIND    | Replacement inductive high frequency cable                                          |

## TANKS FOR DOSING SYSTEMS

### SERB PE M

### PE tanks "M Series"



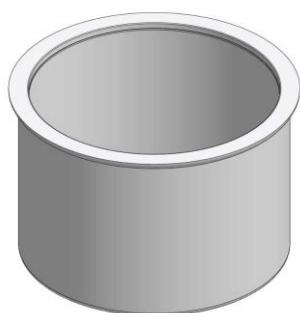
Series of containers designed for reagent mixing and dosing stations, self-supporting vertical cylindrical shape with flat bottom upper part on two levels offset for the application of metering pumps and / or electric shaker with vertical axis. They are equipped with a hatch for loading complete with threaded cover, visual level indicator and, on the lower front part, they are designed for the application of the drain valve.

Accessories on request:  
Loading / unloading units  
Additional vents  
Overflow  
Palletized or wheeled metal structures  
Various accessories for the application of pumps or agitator

| Item-Nr:      | Description:                                       |
|---------------|----------------------------------------------------|
| SRBM0030PE01L | PE tank "M" Series capacity 30 L Ø 400 x h 315     |
| SRBM0060PE01L | PE tank "M" Series capacity 60 L Ø 400 x h 540     |
| SRBM0120PE01L | PE tank "M" Series capacity 120 L Ø 500 x h 680    |
| SRBM0220PE01L | PE tank "M" Series capacity 220 L Ø 620 x h 800    |
| SRBM0325PE01L | PE tank "M" Series capacity 325 L Ø 710 x h 890    |
| SRBM0550PE01L | PE tank "M" Series capacity 550 L Ø 885 x h 1000   |
| SRBM1070PE01L | PE tank "M" Series capacity 1070 L Ø 1100 x h 1200 |

### SERB PE M - VASCA

### Secondary containment tank for storage tank



Vertical cylindrical tank made of non-toxic UV-stabilized linear polyethylene, Available on request in all sizes. natural colour, open top.

| Item-Nr:        | Description:                                                       |
|-----------------|--------------------------------------------------------------------|
| SRBVAM0060PE01L | Containment tank for PE tank Series M capacity 60 L Ø 600 x h 360  |
| SRBVAM0120PE01L | Containment tank for PE tank Series M capacity 120 L Ø 700 x h 450 |
| SRBVAM0220PE01L | Containment tank for PE tank Series M capacity 220 L Ø 800 x h 600 |





## CHEMICALS FOR WATER TREATMENT

ANTI-LEGIONELLA CHEMICALS AND BIOCIDES - CHEMICALS FOR REVERSE OSMOSIS MEMBRANE TREATMENT - CHEMICALS FOR WATER NETWORK - CHEMICALS FOR DRINKING AND SANITARY WATER



## ANTI-LEGIONELLA CHEMICALS AND BIOCIDES

### SAN

### Anti-legionella chemical products



#### Anti-legionella chemical products

Range of chemical products specifically developed for the prevention and control of Legionella in domestic water systems. Designed for continuous dosing, they provide effective biocidal action helping protect hot and cold sanitary water networks, limiting bacterial proliferation and biofilm formation. Suitable for residential, commercial, industrial and public applications, they ensure high compatibility with the main dosing and water treatment systems.

All products comply with PT5 requirements of the Biocidal Products Regulation concerning continuous dosing of biocides in drinking and sanitary water systems.

| Item-Nr:   | Description:                                                                               |
|------------|--------------------------------------------------------------------------------------------|
| PCSANCL015 | SAN-CL15 - Anti-legionella sodium hypochlorite - 25 kg drum                                |
| PCSANLP1   | SAN-LP 1 - Anti-legionella hydrogen peroxide - PT05 - 21 kg drum                           |
| PCSANLP30  | SAN-LP 30 - Anti-legionella sodium hypochlorite - anticorrosive - antiscalant - 20 kg drum |

## CHLORINE DIOXIDE CD-DX CD-DX ACT liquid chlorine dioxide solution for drinking water sanitization



For drinking water sanitization CD-DX ACT is a 0.3% liquid chlorine dioxide solution, generated by manually mixing two components: one liquid and one solid. The CD-DX product produces a chlorine dioxide solution with a neutral pH, 0.1 free chlorine, and high stability. For drinking water sanitization in accordance with the DIN EN 12671 standard. For professional use. Product properties CD-DX ACT has a strong algaecidal, bactericidal, sporicidal, and virucidal efficacy. Unlike chlorine, it does not produce chlorophenols and chloramines.

Characteristics of CD-DX chlorine dioxide. Eliminates legionella and biofilm. It does not have the typical smell of chlorine; it eliminates its odor in swimming pools. Chlorine dioxide eliminates bacteria, viruses, spores, etc., much more effectively than chlorine. The sporicidal and virucidal effect of chlorine dioxide is very high compared to an equal concentration of chlorine. Chlorine dioxide does not react with ammonium (NH<sub>4</sub><sup>+</sup>) or ammonium binders, unlike chlorine which creates chloramines, which have a negative effect on drinking water sanitization. Using chlorine dioxide prevents the formation of undesirable and harmful substances, such as halogenated hydrocarbons (Trihalomethanes). Chlorine dioxide has a germ elimination rate that increases with an increase in pH value. At neutral pH, it does not corrode like the traditional sodium chlorite and hydrochloric acid system.

| Item-Nr: | Description:                                                    |
|----------|-----------------------------------------------------------------|
| CDDX382  | CD-DX ACT 250, solution <3g/l chlorine dioxide, 250ml           |
| CDDX384  | CD-DX ACT 1.000, solution <3 g/l chlorine dioxide, 1000ml       |
| CDDX387  | CD-DX ACT 5.000, solution <3 g/l chlorine dioxide, 5 kg         |
| CDDX388  | CD-DX ACT 10.000, solution <3 g/l chlorine dioxide, 10 kg       |
| CDDX389  | CD-DX ACT 25.000, solution <3 g/l chlorine dioxide, 25 kg       |
| CDDX391  | CD-DX ACT 60.000, solution <3 g/l chlorine dioxide, 60 kg       |
| CDDX394  | CD-DX ACT 1.000.000, solution <3 g/l chlorine dioxide, 1.000 kg |

## CHLORINE DIOXIDE CD-DX CD-DX ACT (Vials) Professional Sanitization: Under-Sink Systems & Water/Beer Dispensers



Professional Sanitization: Under-Sink Systems & Water/Beer Dispensers  
 CD-DX ACT Chlorine Dioxide Advantages: Superior efficacy vs. chlorine & peracetic acid  
 Complete biofilm removal  
 High anti-legionella protection  
 Includes 6 x 5ml stable, ready-to-use vials.  
 Shelf life: 5 years (at 5°C) / 2-3 years (room temp).  
 Registered biocide (PT2 N-23467 / PT5 N-23470).  
 DVGW 2001 approved for drinking water.  
 Product properties CD-DX ACT has a strong algicidal, bactericidal, sporicidal, and virucidal efficacy.  
 Unlike chlorine, it does not produce chlorophenols and chloramines.  
 Characteristics of CD-DX chlorine dioxide.  
 Eliminates legionella and biofilm.  
 It does not have the typical smell of chlorine; it eliminates its odor in swimming pools.  
 Chlorine dioxide eliminates bacteria, viruses, spores, etc., much more effectively than chlorine

The sporicidal and virucidal effect of chlorine dioxide is very high compared to an equal concentration of chlorine.  
 Chlorine dioxide does not react with ammonium (NH<sub>4</sub><sup>+</sup>) or ammonium binders, unlike chlorine which creates chloramines, which have a negative effect on drinking water sanitization.  
 Using chlorine dioxide prevents the formation of undesirable and harmful substances, such as halogenated hydrocarbons (Trihalomethanes).  
 Chlorine dioxide has a germ elimination rate that increases with an increase in pH value.  
 At neutral pH, it does not corrode like the traditional sodium chlorite and hydrochloric acid system.

| Item-Nr: | Description:                                                                            |
|----------|-----------------------------------------------------------------------------------------|
| CDDX375  | CD-DX Vials for Undersink Systems, 6x5ml Vials, Chlorine Dioxide 3,000 ppm Ready to Use |

# CHEMICALS FOR REVERSE OSMOSIS MEMBRANE TREATMENT

## PERMASOL

**Permasol - Chemical products for membrane rinse and biofilm removal**



Chemical products for R.O. membrane cleaning and preservation

Range of chemical products specifically developed for cleaning, sanitizing and preserving reverse osmosis (R.O.) membranes. Designed to maintain high system performance, they help remove scale, organic fouling, biofilm and mineral contamination, extending membrane service life. Available in alkaline, acidic, sanitizing and preservation formulations, they are compatible with the main reverse osmosis membranes and systems used in residential, commercial and industrial applications.

Preservation products protect membranes during system shutdown periods, preventing bacterial growth and deterioration of membrane surfaces.

| Item-Nr:  | Description:                                                                                |
|-----------|---------------------------------------------------------------------------------------------|
| PCROCL310 | Permasol 310 - Membrane cleaner - removal of encrusted deposits - 20 kg drum                |
| PCROCL320 | Permasol 320 - Membrane cleaner - removal of organic and biological substances - 20 kg drum |
| PCROCL380 | Permasol 380 - Preservative for reverse osmosis membranes - 20 kg drum                      |

## PERMATROL

### Permatrol - Antiscalant chemicals for reverse osmosis membranes



#### Permatrol | Antiscalant chemicals for reverse osmosis membranes

Range of antiscalant chemicals specifically developed for reverse osmosis systems, formulated to prevent scale formation and mineral deposits on membranes.

Permatrol products improve system efficiency, reduce fouling and help extend membrane service life while minimizing cleaning and maintenance cycles. Compatible with the main reverse osmosis membranes, they are suitable for residential, commercial and industrial applications.

Available in different formulations for the control of carbonates, sulfates, silica and other mineral scaling salts.

| Item-Nr:  | Description:                                                                                         |
|-----------|------------------------------------------------------------------------------------------------------|
| PCROAS700 | Permatrol 700 - Antiscalant for reverse osmosis membranes for technical use - 20 kg drum             |
| PCROAS710 | Permatrol 710 - Antiscalant for reverse osmosis membranes for potable water use - 20 kg drum         |
| PCROAS720 | Permatrol 720 - Antiscalant for reverse osmosis membranes - 20 kg drum                               |
| PCROAS730 | Permatrol 730 – Antiscalant for reverse osmosis membranes, water $\leq 10$ °F, 20 kg drum            |
| PCROAS750 | Permatrol 750 – Antiscalant for reverse osmosis membranes, high-silica water ( $>20$ °F), 20 kg drum |

## CHEMICALS FOR WATER NETWORK

### DISPERSOL

**Dispersol - Antiscalant/dispersant chemicals for cooling system**



Dispersol | Antiscalant/dispersant chemicals for cooling systems

Range of chemical products specifically developed for cooling water systems and heat exchange circuits.

Dispersol products provide antiscalant and dispersant action, preventing mineral scale formation, deposits and organic fouling on system surfaces. Thanks to their synergistic effect, they improve heat exchange efficiency, reduce energy consumption and help maintain stable system performance over time.

Suitable for cooling towers, closed loops and industrial cooling systems, they are compatible with most common materials and system configurations.

| Item-Nr:   | Description:                                                                                       |
|------------|----------------------------------------------------------------------------------------------------|
| PCRODS8080 | Dispersol 8080 - Antiscalant - chlorine-stable dispersant - 20 kg drum                             |
| PCROPR8300 | Dispersol 8300 - Antiscalant - protection for AP cooling circuits - 20 kg drum                     |
| PCROPR8500 | Dispersol 8500 - Antiscalant - dispersant - protection for industrial cooling systems - 20 kg drum |

## CHEMICALS FOR DRINKING AND SANITARY WATER

### ALIFOS

**Alifos - Antiscalant/anti-corrosion chemicals for drinking and sanitary waters**



Antiscalant chemicals for raw, softened and sanitary water

Range of antiscalant chemical products specifically developed for raw, softened and sanitary water systems. They are designed to prevent scale formation, mineral deposits and fouling on system surfaces, improving overall water treatment and distribution efficiency.

Thanks to their stabilizing and dispersing action, they help reduce maintenance costs, extend equipment lifetime and maintain consistent system performance over time. Suitable for residential, commercial and industrial applications, they are compatible with most water networks and treatment systems.

| Item-Nr:     | Description:                                                                    |
|--------------|---------------------------------------------------------------------------------|
| PCPFLQCL050  | Alifos L - Liquid polyphosphate antiscalant for water 10–20 °F - 20 kg drum     |
| PCPFLQCLS100 | Alifos LS - Liquid polyphosphate antiscalant for water 0–10 °F - 20 kg drum     |
| PCPFLQLS050  | Alifos LC - Liquid polyphosphate antiscalant for water above 20 °F - 20 kg drum |



## WATER SOFTENERS AND FILTER SYSTEMS, SOFTENER KITS, MAGNETIC ANTI-SCALE DEVICES

CABINET SOFTENERS "ESSENCE" SERIES - CABINET SOFTENERS "ELAN" SERIES - CABINET SOFTENERS "EU" SERIES - EXTRA PRICE FOR OTHER CABINETS - SIMPLEX WATER SOFTENERS WITH VALVES APEX EZ/TZ/GZ - DUPLEX ALTERNATED WATER SOFTENERS VALVE CLACK - ACTIVATED CARBON FILTERS - QUARTZ SAND FILTERS - IRON REMOVAL SYSTEMS - MAGNETIC SCALE PREVENTER - MANUAL SOFTENERS - SIMPLEX WATER SOFTENERS VALVE CLACK - CABINET SOFTENERS "LOTUS" SERIES - CABINET SOFTENERS "NT" MICRO SERIES - SIMPLEX WATER SOFTENERS VALVES CSG PULSE1 SERIES - ACCESSORIES FOR WATER SOFTENERS



## CABINET SOFTENERS "NT" MICRO SERIES

### ADC-Micro NT Compact Soft

### Ultra-compact 5L MICRO under-sink water softeners with NT cabinet



MICRO Ultra-Compact Cabinet Water Softener NT – 5 Litres

The 5-litre MICRO NT cabinet water softener is the ideal solution for water treatment in homes, apartments, offices, and small applications where installation space is limited. Thanks to its ultra-compact design and cabinet configuration, it can be easily installed under a sink or in confined technical spaces.

Equipped with electronic volumetric control valves CSG PULSE, EZ2, GZ2, Clack WS1CI, and WS1TC, the system ensures intelligent regeneration management by activating regeneration only according to actual water consumption. This optimizes water and salt usage, improves efficiency, and reduces operating costs.

The high-capacity cation exchange resin effectively reduces water hardness, helping to prevent limescale build-up in pipes, faucets, household appliances, and plumbing systems. Designed for reliability, ease of use, and long service life, the MICRO NT offers professional water-softening performance in a compact footprint.

#### Key Features:

- 5-litre resin capacity
  - Ultra-compact cabinet design
  - Suitable for under-sink installation and confined spaces
  - Electronic volumetric control valves: CSG PULSE, EZ2, GZ2, Clack WS1CI, WS1TC
  - Automatic volume- or time-based regeneration
  - Reduced water and salt consumption
  - Easy programming and operation
  - Effective limescale protection
- Ideal for homes, offices, kitchens, and small water applications

| Item-Nr:     | Description:                                                                        |
|--------------|-------------------------------------------------------------------------------------|
| ADC005CT1NS  | Water Softener 5 L (7x13") Clack WS1TC 1" time controlled Cabinet "NT" Micro        |
| ADC005CV1NS  | Water Softener 5 L (7x13") Clack WS1CI 1" meter cont. Cabinet "NT" Micro            |
| ADC005EZ2NS  | Water Softener 5 L (7x13") valve EZ2 1" DF meter cont. Cabinet "NT" Micro           |
| ADC005GZ2NS  | Water Softener 5 L (7x13") valve GZ2 1" DF meter cont. Cabinet "NT" Micro           |
| ADC005PU1DNS | Water Softener 5 L (7x13") valve PULSE 1" DF no wifi meter cont. Cabinet "NT" Micro |

## CABINET SOFTENERS "LOTUS" SERIES

### ADC-PULSE DF "LOTUS" Wi-Fi - Celtis Water product

### Residential water softeners LOTUS PULSE P1 Wi-Fi Downflow



#### LOTUS DF Wi-Fi Residential Cabinet Water Softener – Downflow System

The LOTUS DF is an automatic cabinet water softener designed for domestic and technical water treatment applications. Equipped with the Pulse 1 electronic metered control valve featuring co-current (Downflow) regeneration, it delivers excellent softening performance, maximum operational reliability, and optimized water and salt consumption.

The metered control technology initiates regeneration based on actual water usage, ensuring efficient resource management and reduced operating costs. The system also supports both metered and time-based regeneration programming, while an integrated backup battery preserves all settings and operational data in the event of a power outage.

Manufactured using high-quality components and materials suitable for contact with drinking water, the LOTUS DF provides a reliable, compact, and durable solution for protecting plumbing systems and water-using appliances against limescale buildup.

#### Compliance

All components comply with Italian Ministerial Decree D.M. 174/2004 and are suitable for drinking water applications. The system complies with D.M. 25/2012 requirements for residential use when equipped with the optional resin disinfection system.

#### Benefits

- High-efficiency automatic metered regeneration
- Remote control via Wi-Fi technology
- Reduced water and salt consumption
- Simple and intuitive programming
- Backup battery memory protection
- High reliability and long service life
- Effective protection against limescale deposits
- Ideal for homes, apartments, offices, and small technical applications

Conceived, designed and manufactured by Celtis Water S.r.l.

| Item-Nr:    | Description:                                                                       |
|-------------|------------------------------------------------------------------------------------|
| LOTUS008DGW | Water Softener "LOTUS" MINI 8 L (8x17") PULSE 1" DF metered grey + bypass + SBV    |
| LOTUS008DKW | Water Softener "LOTUS" MINI 8 L (8x17") PULSE 1" DF metered black + bypass + SBV   |
| LOTUS010DGW | Water Softener "LOTUS" MINI 10 L (9x17") PULSE 1" DF metered grey + bypass + SBV   |
| LOTUS010DKW | Water Softener "LOTUS" MINI 10 L (9x17") PULSE 1" DF metered black + bypass + SBV  |
| LOTUS012DGW | Water Softener "LOTUS" MINI 12 L (10x17") PULSE 1" DF metered grey + bypass + SBV  |
| LOTUS012DKW | Water Softener "LOTUS" MINI 12 L (10x17") PULSE 1" DF metered black + bypass + SBV |
| LOTUS020DGW | Water Softener "LOTUS" MAXI 20 L (8x35") PULSE 1" DF metered grey + bypass + SBV   |
| LOTUS020DKW | Water Softener "LOTUS" MAXI 20 L (8x35") PULSE 1" DF metered black + bypass + SBV  |
| LOTUS025DGW | Water Softener "LOTUS" MAXI 25 L (9x35") PULSE 1" DF metered grey + bypass + SBV   |
| LOTUS025DKW | Water Softener "LOTUS" MAXI 25 L (9x35") PULSE 1" DF metered black + bypass + SBV  |
| LOTUS030DGW | Water Softener "LOTUS" MAXI 30 L (10x35") PULSE 1" DF metered grey + bypass + SBV  |
| LOTUS030DKW | Water Softener "LOTUS" MAXI 30 L (10x35") PULSE 1" DF metered black + bypass + SBV |

## ADC-PULSE UF "LOTUS" Wi-Fi - Celtis Water product

## Residential water softeners LOTUS PULSE P1 Wi-Fi Upflow



### LOTUS UF Residential Cabinet Water Softener – Upflow System

The LOTUS UF is an automatic cabinet water softener designed for domestic and technical water treatment applications. Equipped with the Pulse 1 electronic metered control valve featuring Upflow regeneration, it delivers excellent softening performance, maximum operational reliability, and optimized water and salt consumption.

The metered control technology initiates regeneration based on actual water usage, ensuring efficient resource management and reduced operating costs. The system also supports both metered and time-based regeneration programming, while an integrated backup battery preserves all settings and operational data in the event of a power outage.

Manufactured using high-quality components and materials suitable for contact with drinking water, the LOTUS UF provides a reliable, compact, and durable solution for protecting plumbing systems and water-using appliances against limescale buildup.

#### Compliance

All components comply with Italian Ministerial Decree D.M. 174/2004 and are suitable for drinking water applications. The system complies with D.M. 25/2012 requirements for residential use when equipped with the optional resin disinfection system.

### Benefits

- High-efficiency automatic metered regeneration
- Remote control via Wi-Fi technology
- Reduced water and salt consumption
- Simple and intuitive programming
- Backup battery memory protection
- High reliability and long service life
- Effective protection against limescale deposits
- Ideal for homes, apartments, offices, and small technical applications

Conceived, designed and manufactured by Celtis Water S.r.l.

| Item-Nr:    | Description:                                                               |
|-------------|----------------------------------------------------------------------------|
| LOTUS008UKW | Water Softener "LOTUS" MINI 10 L (8x17") PULSE 1" UF black + bypass + SBV  |
| LOTUS010UGW | Water Softener "LOTUS" MINI 10 L (8x17") PULSE 1" UF grey + bypass + SBV   |
| LOTUS013UGW | Water Softener "LOTUS" MINI 13 L (9x17") PULSE 1" UF grey + bypass + SBV   |
| LOTUS013UKW | Water Softener "LOTUS" MINI 13 L (9x17") PULSE 1" UF black + bypass + SBV  |
| LOTUS015UGW | Water Softener "LOTUS" MINI 15 L (10x17") PULSE 1" UF gris + bypass + SBV  |
| LOTUS015UKW | Water Softener "LOTUS" MINI 15 L (10x17") PULSE 1" UF black + bypass + SBV |
| LOTUS022UGW | Water Softener "LOTUS" MAXI 22 L (8x35") PULSE 1" UF grey + bypass + SBV   |
| LOTUS022UKW | Water Softener "LOTUS" MAXI 22 L (8x35") PULSE 1" UF black + bypass + SBV  |
| LOTUS028UGW | Water Softener "LOTUS" MAXI 28 L (8x35") PULSE 1" UF grey + bypass + SBV   |
| LOTUS028UKW | Water Softener "LOTUS" MAXI 28 L (9x35") PULSE 1" UF black + bypass + SBV  |
| LOTUS035UGW | Water Softener "LOTUS" MAXI 35 L (8x35") PULSE 1" UF grey + bypass + SBV   |
| LOTUS035UKW | Water Softener "LOTUS" MAXI 35 L (10x35") PULSE 1" UF black + bypass + SBV |

## CABINET SOFTENERS "ESSENCE" SERIES

### ADC-P1 DF "ESSENCE" - Celtis Water product

### Residential water softeners - Control valve CSG PULSE P1 DOWNFLOW - Cabinet ESSENCE



#### ESSENCE DF – Compact CSG PULSE 1 Downflow Softener

The ESSENCE DF is a compact cabinet water softener equipped with the CSG PULSE 1 electronic valve with Downflow regeneration. It delivers efficiency, reliability, and space-saving installation.

Smart metered control activates regeneration only when needed, optimizing performance and resource consumption. Supports volumetric and time-based programming with battery-backed memory.

Compact monoblock cabinet design with certified drinking-water materials.

#### Compliance

Complies with D.M. 174/2004 and D.M. 25/2012 (with optional resin disinfection).

#### Optional Accessories

XP1ACWFB – Wi-Fi remote control module for full system management

XP1ACBY – High-resistance plastic bypass for easy maintenance

#### Benefits

- Efficient regeneration
- Optimized water and salt use
- Smart programming
- Battery-backed memory
- Compact design
- Professional reliability
- Anti-scale protection

| Item-Nr:      | Description:                                                                   |
|---------------|--------------------------------------------------------------------------------|
| ADC008PU1DES  | Water Softener 8 L (8x17") PULSE 1" DF metered Cabinet "ESSENCE" Mini grey     |
| ADC008PU1DESK | Water Softener 8 L (8x17") PULSE 1" DF metered Cabinet "ESSENCE" Mini black    |
| ADC010PU1DES  | Water Softener 10 L (9x17") PULSE 1" DF metered, cabinet "ESSENCE" Mini grey   |
| ADC010PU1DESK | Water Softener 10 L (9x17") PULSE 1" DF metered, cabinet "ESSENCE" Mini black  |
| ADC012PU1DES  | Water Softener 12 L (10x17") PULSE 1" DF metered, cabinet "ESSENCE" Mini grey  |
| ADC012PU1DESK | Water Softener 12 L (10x17") PULSE 1" DF metered, cabinet "ESSENCE" Mini black |
| ADC020PU1DES  | Water Softener 20 L (8x35") PULSE 1" DF metered, cabinet "ESSENCE" Maxi grey   |
| ADC020PU1DESK | Water Softener 20 L (8x35") PULSE 1" DF metered, cabinet "ESSENCE" Maxi black  |
| ADC025PU1DES  | Water Softener 25 L (9x35") PULSE 1" DF metered, cabinet "ESSENCE" Maxi grey   |
| ADC025PU1DESK | Water Softener 25 L (9x35") PULSE 1" DF metered, cabinet "ESSENCE" Maxi black  |
| ADC030PU1DES  | Water Softener 30 L (10x35") PULSE 1" DF metered, cabinet "ESSENCE" Maxi grey  |
| ADC030PU1DESK | Water Softener 30 L (10x35") PULSE 1" DF metered, cabinet "ESSENCE" Maxi black |
| XP1ACBY       | PULSE 1 Downflow/Upflow Plastic bypass 3/4" - 1"                               |
| XP1ACWFB      | PULSE 1 Downflow/Upflow WiFi-board                                             |

## ADC-P1 UF "ESSENCE" - Celtis Water product

## Residential water softeners - Control valve CSG PULSE P1 UPFLOW - Cabinet ESSENCE



### ESSENCE UF – Compact CSG PULSE 1 Upflow Softener

The ESSENCE UF is a compact cabinet water softener equipped with the CSG PULSE 1 electronic valve with Upflow regeneration. It delivers efficiency, reliability, and space-saving installation.

Smart metered control activates regeneration only when needed, optimizing performance and resource consumption. Supports volumetric and time-based programming with battery-backed memory.

Compact monoblock cabinet design with certified drinking-water materials.

#### Compliance

Complies with D.M. 174/2004 and D.M. 25/2012 (with optional resin disinfection).

#### Optional Accessories

XP1ACWFB – Wi-Fi remote control module for full system management

XP1ACBY – High-resistance plastic bypass for easy maintenance

### Benefits

- Efficient regeneration
- Optimized water and salt use
- Smart programming
- Battery-backed memory
- Compact design
- Professional reliability
- Anti-scale protection

| Item-Nr:      | Description:                                                                                |
|---------------|---------------------------------------------------------------------------------------------|
| ADC010PU1UES  | Water Softener 10 L (8x17") valve PULSE 1" Upflow" meter cont. Cabinet "ESSENCE" Mini grey  |
| ADC010PU1UESK | Water Softener 10 L (8x17") valve PULSE 1" Upflow" meter cont. Cabinet "ESSENCE" Mini black |
| ADC013PU1UES  | Water Softener 13 L (9x17") valve PULSE 1" Upflow meter cont. Cabinet "ESSENCE" Mini grey   |
| ADC013PU1UESK | Water Softener 13 L (9x17") valve PULSE 1" Upflow meter cont. Cabinet "ESSENCE" Mini black  |
| ADC015PU1UES  | Water Softener 15 L (10x17") valve PULSE 1" Upflow meter cont. Cabinet "ESSENCE" Mini grey  |
| ADC015PU1UESK | Water Softener 15 L (10x17") valve PULSE 1" Upflow meter cont. Cabinet "ESSENCE" Mini black |
| ADC022PU1UES  | Water Softener 22 L (8x35") valve PULSE 1" Upflow meter cont. Cabinet "ESSENCE" Maxi grey   |
| ADC022PU1UESK | Water Softener 22 L (8x35") valve PULSE 1" Upflow meter cont. Cabinet "ESSENCE" Maxi black  |
| ADC028PU1UES  | Water Softener 28 L (9x35") valve PULSE 1" Upflow meter cont. Cabinet "ESSENCE" Maxi grey   |
| ADC028PU1UESK | Water Softener 28 L (9x35") valve PULSE 1" Upflow meter cont. Cabinet "ESSENCE" Maxi black  |
| ADC035PU1UES  | Water Softener 35 L (10x35") valve PULSE 1" Upflow meter cont. Cabinet "ESSENCE" Maxi grey  |
| ADC035PU1UESK | Water Softener 35 L (10x35") valve PULSE 1" Upflow meter cont. Cabinet "ESSENCE" Maxi black |
| XP1ACBY       | PULSE 1 Downflow/Upflow Plastic bypass 3/4" - 1"                                            |
| XP1ACWFB      | PULSE 1 Downflow/Upflow WiFi-board                                                          |

## ADC-APEX EZ2 DF "ESSENCE"

## Residential water softeners - Control valve APEX EZ2 DOWNFLOW metered - Cabinet ESSENCE



### ESSENCE EZ2 – Residential Cabinet Downflow Water Softener

The ESSENCE EZ2 cabinet water softener is a compact and advanced solution for domestic and technical water treatment. Equipped with the EZ2 electronic metered valve with co-current (Downflow) regeneration, it ensures high efficiency, reliability, and optimized water and salt consumption.

It features a multifunction backlit LCD display with a 9-language interface, allowing simple and intuitive system management.

The unit also includes a display customization function, which allows the installer's or service provider's company name and phone number to be permanently shown at the top of the screen, enhancing professional branding and service visibility.

The intelligent metered control system activates regeneration only when required, optimizing consumption and performance. An integrated backup battery preserves all settings in case of power failure.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- High-efficiency regeneration
- Reduced water and salt consumption
- Multilingual LCD display (9 languages)
- Custom display with company name and phone number
- Simple and intuitive programming
- Backup battery memory
- High reliability
- Effective limescale protection
- Compact installation

| Item-Nr:     | Description:                                                                 |
|--------------|------------------------------------------------------------------------------|
| ADC008EZ2ES  | Water Softener 8 L (8x17") EZ2 1" DF metered, cabinet "ESSENCE" Mini grey    |
| ADC008EZ2ESK | Water Softener 8 L (8x17") EZ2 1" DF metered, cabinet "ESSENCE" Mini black   |
| ADC010EZ2ES  | Water Softener 10 L (9x17") EZ2 1" DF metered, cabinet "ESSENCE" Mini grey   |
| ADC010EZ2ESK | Water Softener 10 L (9x17") EZ2 1" DF metered, cabinet "ESSENCE" Mini black  |
| ADC012EZ2ES  | Water Softener 12 L (10x17") EZ2 1" DF metered, cabinet "ESSENCE" Mini grey  |
| ADC012EZ2ESK | Water Softener 12 L (10x17") EZ2 1" DF metered, cabinet "ESSENCE" Mini black |
| ADC020EZ2ES  | Water Softener 20 L (8x35") EZ2 1" DF metered, cabinet "ESSENCE" Maxi grey   |
| ADC020EZ2ESK | Water Softener 20 L (8x35") EZ2 1" DF metered, cabinet "ESSENCE" Maxi black  |
| ADC025EZ2ES  | Water Softener 25 L (9x35") EZ2 1" DF metered, cabinet "ESSENCE" Maxi grey   |
| ADC025EZ2ESK | Water Softener 25 L (9x35") EZ2 1" DF metered, cabinet "ESSENCE" Maxi black  |
| ADC030EZ2ES  | Water Softener 30 L (10x35") EZ2 1" DF metered, cabinet "ESSENCE" Maxi grey  |
| ADC030EZ2ESK | Water Softener 30 L (10x35") EZ2 1" DF metered, cabinet "ESSENCE" Maxi black |



## ADC-APEX GZ2 DN "ESSENCE"

## Residential water softeners - Control valve DOWNFLOW metered - Cabinet ESSENCE



### ESSENCE GZ2 – Residential Cabinet Downflow Water Softener

The ESSENCE GZ2 cabinet water softener is a compact and advanced solution for domestic and technical water treatment. Equipped with the GZ2 electronic metered valve with co-current (Downflow) regeneration, it ensures high efficiency, reliability, and optimized water and salt consumption.

It features a multifunction backlit LCD display with a 9-language interface, allowing simple and intuitive system management.

The unit also includes a display customization function, which allows the installer's or service provider's company name and phone number to be permanently shown at the top of the screen, enhancing professional branding and service visibility.

The intelligent metered control system activates regeneration only when required, optimizing consumption and performance. An integrated backup battery preserves all settings in case of power failure.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- High-efficiency regeneration
- Reduced water and salt consumption
- Multilingual LCD display (9 languages)
- Custom display with company name and phone number
- Simple and intuitive programming
- Backup battery memory
- High reliability
- Effective limescale protection
- Compact installation

| Item-Nr:     | Description:                                                                 |
|--------------|------------------------------------------------------------------------------|
| ADC008GZ2ES  | Water Softener 8 L (8x17") GZ2 1" DF metered, cabinet "ESSENCE" Mini grey    |
| ADC008GZ2ESK | Water Softener 8 L (8x17") GZ2 1" DF metered, cabinet "ESSENCE" Mini black   |
| ADC010GZ2ES  | Water Softener 10 L (9x17") GZ2 1" DF metered, cabinet "ESSENCE" Mini grey   |
| ADC010GZ2ESK | Water Softener 10 L (9x17") GZ2 1" DF metered, cabinet "ESSENCE" Mini black  |
| ADC012GZ2ES  | Water Softener 12 L (10x17") GZ2 1" DF metered, cabinet "ESSENCE" Mini grey  |
| ADC012GZ2ESK | Water Softener 12 L (10x17") GZ2 1" DF metered, cabinet "ESSENCE" Mini black |
| ADC020GZ2ES  | Water Softener 20 L (8x35") GZ2 1" DF metered, cabinet "ESSENCE" Maxi grey   |
| ADC020GZ2ESK | Water Softener 20 L (8x35") GZ2 1" DF metered, cabinet "ESSENCE" Maxi black  |
| ADC025GZ2ES  | Water Softener 25 L (9x35") GZ2 1" DF metered, cabinet "ESSENCE" Maxi grey   |
| ADC025GZ2ESK | Water Softener 25 L (9x35") GZ2 1" DF metered, cabinet "ESSENCE" Maxi black  |
| ADC030GZ2ES  | Water Softener 30 L (10x35") GZ2 1" DF metered, cabinet "ESSENCE" Maxi grey  |
| ADC030GZ2ESK | Water Softener 30 L (10x35") GZ2 1" DF metered, cabinet "ESSENCE" Maxi black |

## ADC-CLACK WS1CI DF "ESSENCE"

## Residential water softeners - Control valve Clack WS1CI DOWNFLOW metered - Cabinet ESSENCE



ESSENCE WS1CI – Residential Cabinet Downflow Water Softener

### Advantages

The ESSENCE WS1CI cabinet water softener is a compact and professional solution for domestic and technical water treatment. Equipped with the Clack WS1CI electronic metered valve with co-current (Downflow) regeneration, it ensures high performance, reliability, and optimized water and salt consumption.

It features a multifunction LCD display, allowing simple and intuitive system operation.

The intelligent metered control system triggers regeneration only when required, optimizing efficiency and reducing waste. An integrated backup battery preserves all settings in case of power failure.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

- High-efficiency regeneration
- Reduced water and salt consumption
- Multifunction LCD display
- Simple and intuitive programming
- Backup battery memory
- High reliability
- Compact installation

| Item-Nr:     | Description:                                                                     |
|--------------|----------------------------------------------------------------------------------|
| ADC008CV1ES  | Water Softener 8 L (8x17") Clack WS1CI 1"metered Cabinet "ESSENCE" Mini grey     |
| ADC008CV1ESK | Water Softener 8 L (8x17") Clack WS1CI 1"metered Cabinet "ESSENCE" Mini black    |
| ADC010CV1ES  | Water Softener 10 L (9x17") Clack WS1CI 1" metered Cabinet "ESSENCE" Mini grey   |
| ADC010CV1ESK | Water Softener 10 L (9x17") Clack WS1CI 1" metered Cabinet "ESSENCE" Mini black  |
| ADC012CV1ES  | Water Softener 12 L (10x17") Clack WS1CI 1" metered Cabinet "ESSENCE" Mini grey  |
| ADC012CV1ESK | Water Softener 12 L (10x17") Clack WS1CI 1" metered Cabinet "ESSENCE" Mini black |
| ADC020CV1ES  | Water Softener 20 L (8x35") Clack WS1CI 1" metered Cabinet "ESSENCE" Maxi grey   |
| ADC020CV1ESK | Water Softener 20 L (8x35") Clack WS1CI 1" metered Cabinet "ESSENCE" Maxi black  |
| ADC025CV1ES  | Water Softener 25 L (9x35") Clack WS1CI 1" metered Cabinet "ESSENCE" Maxi grey   |
| ADC025CV1ESK | Water Softener 25 L (9x35") Clack WS1CI 1" metered Cabinet "ESSENCE" Maxi black  |
| ADC030CV1ES  | Water Softener 30 L (10x35") Clack WS1CI 1" metered Cabinet "ESSENCE" Maxi grey  |
| ADC030CV1ESK | Water Softener 30 L (10x35") Clack WS1CI 1" metered Cabinet "ESSENCE" Maxi black |



## CABINET SOFTENERS "ELAN" SERIES

### ADC-APEX EZ2 DF "ELAN" Residential monoblock water softeners - Control valve APEX EZ2 DOWNFLOW metered Cabinet ELAN



#### ELAN EZ2 – Residential Cabinet Downflow Water Softener

The ELAN EZ2 cabinet water softener is a compact and advanced solution for domestic and technical water treatment. Equipped with the EZ2 electronic metered valve with co-current (Downflow) regeneration, it ensures high efficiency, reliability, and optimized water and salt consumption.

It features a multifunction backlit LCD display with a 9-language interface, allowing simple and intuitive system management.

The unit also includes a display customization function, which allows the installer's or service provider's company name and phone number to be permanently shown at the top of the screen, enhancing professional branding and service visibility.

The intelligent metered control system activates regeneration only when required, optimizing consumption and performance. An integrated backup battery preserves all settings in case of power failure.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

#### Benefits

- High-efficiency regeneration
- Reduced water and salt consumption
- Multilingual LCD display (9 languages)
- Custom display with company name and phone number
- Simple and intuitive programming
- Backup battery memory
- High reliability
- Effective limescale protection
- Compact installation

| Item-Nr:     | Description:                                                                         |
|--------------|--------------------------------------------------------------------------------------|
| ADC008EZ2EL  | Water Softener 8 L (8x17") EZ2 1" DF metered, cabinet "ELAN" MINI light grey/black   |
| ADC008EZ2ELK | Water Softener 8 L (8x17") EZ2 1" DF metered, cabinet "ELAN" MINI black/black        |
| ADC010EZ2EL  | Water Softener 10 L (9x17") EZ2 1" DF metered, cabinet "ELAN" MINI light grey/black  |
| ADC010EZ2ELK | Water Softener 10 L (9x17") EZ2 1" DF metered, cabinet "ELAN" MINI black/black       |
| ADC012EZ2EL  | Water Softener 12 L (10x17") EZ2 1" DF metered, cabinet "ELAN" MINI light grey/black |
| ADC012EZ2ELK | Water Softener 12 L (10x17") EZ2 1" DF metered, cabinet "ELAN" MINI black/black      |
| ADC020EZ2EL  | Water Softener 20 L (8x35") EZ2 1" DF metered, cabinet "ELAN" MAXI light grey/black  |
| ADC020EZ2ELK | Water Softener 20 L (8x35") EZ2 1" DF metered, cabinet "ELAN" MAXI black/black       |
| ADC025EZ2EL  | Water Softener 25 L (9x35") EZ2 1" DF metered, cabinet "ELAN" MAXI light grey/black  |
| ADC025EZ2ELK | Water Softener 25 L (9x35") EZ2 1" DF metered, cabinet "ELAN" MAXI black/black       |
| ADC030EZ2EL  | Water Softener 30 L (10x35") EZ2 1" DF metered, cabinet "ELAN" MAXI light grey/black |
| ADC030EZ2ELK | Water Softener 30 L (10x35") EZ2 1" DF metered, cabinet "ELAN" MAXI black/black      |

## ADC-APEX TZ2 UF "ELAN" Residential monoblock water softeners - Control valve APEX TZ2 UPFLOW metered Cabinet ELAN



### ELAN TZ2 – Residential Cabinet Upflow Water Softener

### Benefits

The ELAN TZ2 cabinet water softener is a compact and advanced solution for domestic and technical water treatment. Equipped with the TZ2 electronic metered valve with co-current (Upflow) regeneration, it ensures high efficiency, reliability, and optimized water and salt consumption.

It features a multifunction backlit LCD display with a 9-language interface, allowing simple and intuitive system management.

The unit also includes a display customization function, which allows the installer's or service provider's company name and phone number to be permanently shown at the top of the screen, enhancing professional branding and service visibility.

The intelligent metered control system activates regeneration only when required, optimizing consumption and performance. An integrated backup battery preserves all settings in case of power failure.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

- High-efficiency regeneration
- Reduced water and salt consumption
- Multilingual LCD display (9 languages)
- Custom display with company name and phone number
- Simple and intuitive programming
- Backup battery memory
- High reliability
- Effective limescale protection
- Compact installation

| Item-Nr:     | Description:                                                                         |
|--------------|--------------------------------------------------------------------------------------|
| ADC010TZ2EL  | Water Softener 10 L (8x17") TZ2 1" UF metered, cabinet "ELAN" MINI light grey/black  |
| ADC010TZ2ELK | Water Softener 10 L (8x17") TZ2 1" UF metered, cabinet "ELAN" MINI black/black       |
| ADC013TZ2EL  | Water Softener 13 L (9x17") TZ2 1" UF metered, cabinet "ELAN" MINI light grey/black  |
| ADC013TZ2ELK | Water Softener 13 L (9x17") TZ2 1" UF metered, cabinet "ELAN" MINI black/black       |
| ADC015TZ2EL  | Water Softener 15 L (10x17") TZ2 1" UF metered, cabinet "ELAN" MINI light grey/black |
| ADC015TZ2ELK | Water Softener 15 L (10x17") TZ2 1" UF metered, cabinet "ELAN" MINI black/black      |
| ADC022TZ2EL  | Water Softener 22 L (8x35") TZ2 1" UF metered, cabinet "ELAN" MAXI light grey/black  |
| ADC022TZ2ELK | Water Softener 22 L (8x35") TZ2 1" UF metered, cabinet "ELAN" MAXI black/black       |
| ADC028TZ2EL  | Water Softener 28 L (9x35") TZ2 1" UF metered, cabinet "ELAN" MAXI light grey/black  |
| ADC028TZ2ELK | Water Softener 28 L (9x35") TZ2 1" UF metered, cabinet "ELAN" MAXI black/black       |
| ADC035TZ2EL  | Water Softener 35 L (10x35") TZ2 1" UF metered, cabinet "ELAN" MAXI light grey/black |
| ADC035TZ2ELK | Water Softener 35 L (10x35") TZ2 1" UF metered, cabinet "ELAN" MAXI black/black      |

## ADC-APEX GZ2 DF "ELAN" Residential monoblock water softeners - Control valve APEX GZ2 DOWNFLOW metered Cabinet ELAN



### ELAN GZ2 – Residential Cabinet Downflow Water Softener

The ELAN GZ2 cabinet water softener is a compact and advanced solution for domestic and technical water treatment. Equipped with the GZ2 electronic metered valve with co-current (Downflow) regeneration, it ensures high efficiency, reliability, and optimized water and salt consumption.

It features a multifunction backlit LCD display with a 9-language interface, allowing simple and intuitive system management.

The unit also includes a display customization function, which allows the installer's or service provider's company name and phone number to be permanently shown at the top of the screen, enhancing professional branding and service visibility.

The intelligent metered control system activates regeneration only when required, optimizing consumption and performance. An integrated backup battery preserves all settings in case of power failure.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- High-efficiency regeneration
- Reduced water and salt consumption
- Multilingual LCD display (9 languages)
- Custom display with company name and phone number
- Simple and intuitive programming
- Backup battery memory
- High reliability
- Effective limescale protection
- Compact installation

| Item-Nr:    | Description:                                                                         |
|-------------|--------------------------------------------------------------------------------------|
| ADC008GZ2EL | Water Softener 8 L (8x17") GZ2 1" DF metered, cabinet "ELAN" MINI light grey/black   |
| ADC010GZ2EL | Water Softener 10 L (9x17") GZ2 1" DF metered, cabinet "ELAN" MINI light grey/black  |
| ADC012GZ2EL | Water Softener 12 L (10x17") GZ2 1" DF metered, cabinet "ELAN" MINI light grey/black |
| ADC020GZ2EL | Water Softener 20 L (8x35") GZ2 1" DF metered, cabinet "ELAN" MAXI light grey/black  |
| ADC025GZ2EL | Water Softener 25 L (9x35") GZ2 1" DF metered, cabinet "ELAN" MAXI light grey/black  |
| ADC030GZ2EL | Water Softener 30 L (10x35") GZ2 1" DF metered, cabinet "ELAN" MAXI light grey/black |

## ADC-Clack WS1CI DF "ELAN"

## Residential monoblock water softeners - Control valve Clack WS1CI DOWNFLOW metered Cabinet "ELAN"



### ELAN WS1CI – Residential Cabinet Downflow Water Softener

The ELAN WS1CI cabinet water softener is a compact and professional solution for domestic and technical water treatment. Equipped with the Clack WS1CI electronic metered valve with co-current (Downflow) regeneration, it ensures high performance, reliability, and optimized water and salt consumption.

It features a multifunction LCD display, allowing simple and intuitive system operation.

The intelligent metered control system triggers regeneration only when required, optimizing efficiency and reducing waste. An integrated backup battery preserves all settings in case of power failure.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Advantages

- High-efficiency regeneration
- Reduced water and salt consumption
- Multifunction LCD display
- Simple and intuitive programming
- Backup battery memory
- High reliability
- Compact installation

| Item-Nr:     | Description:                                                                              |
|--------------|-------------------------------------------------------------------------------------------|
| ADC008CV1EL  | Water Softener 8 L (8x17") Clack WS1CI 1" metered, cabinet "ELAN" MINI light grey/black   |
| ADC008CV1ELK | Water Softener 8 L (8x17") Clack WS1CI 1" metered, cabinet "ELAN" MINI black/black        |
| ADC010CV1EL  | Water Softener 10 L (9x17") Clack WS1CI 1" metered, cabinet "ELAN" MINI light grey/black  |
| ADC010CV1ELK | Water Softener 10 L (9x17") Clack WS1CI 1" metered, cabinet "ELAN" MINI black/black       |
| ADC012CV1EL  | Water Softener 12 L (10x17") Clack WS1CI 1" metered, cabinet "ELAN" MINI light grey/black |
| ADC012CV1ELK | Water Softener 12 L (10x17") Clack WS1CI 1" metered, cabinet "ELAN" MINI black/black      |
| ADC020CV1EL  | Water Softener 20 L (8x35") Clack WS1CI 1" metered, cabinet "ELAN" MAXI light grey/black  |
| ADC020CV1ELK | Water Softener 20 L (8x35") Clack WS1CI 1" metered, cabinet "ELAN" MAXI black/black       |
| ADC025CV1EL  | Water Softener 25 L (9x35") Clack WS1CI 1" metered, cabinet "ELAN" MAXI light grey/black  |
| ADC025CV1ELK | Water Softener 25 L (9x35") Clack WS1CI 1" metered, cabinet "ELAN" MAXI black/black       |
| ADC030CV1EL  | Water Softener 30 L (10x35") Clack WS1CI 1" metered, cabinet "ELAN" MAXI light grey/black |
| ADC030CV1ELK | Water Softener 30 L (10x35") Clack WS1CI 1" metered, cabinet "ELAN" MAXI black/black      |

## CABINET SOFTENERS "EU" SERIES

### ADC-APEX EZ2 DF "EU"

### Residential monoblock water softeners - Control valve APEX EZ2 DOWNFLOW metered Cabinet EU



#### ELAN EZ2 – Residential Cabinet Downflow Water Softener

The ELAN EZ2 cabinet water softener is a compact and advanced solution for domestic and technical water treatment. Equipped with the EZ2 electronic metered valve with co-current (Downflow) regeneration, it ensures high efficiency, reliability, and optimized water and salt consumption.

It features a multifunction backlit LCD display with a 9-language interface, allowing simple and intuitive system management.

The unit also includes a display customization function, which allows the installer's or service provider's company name and phone number to be permanently shown at the top of the screen, enhancing professional branding and service visibility.

The intelligent metered control system activates regeneration only when required, optimizing consumption and performance. An integrated backup battery preserves all settings in case of power failure.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

#### Benefits

- High-efficiency regeneration
- Reduced water and salt consumption
- Multilingual LCD display (9 languages)
- Custom display with company name and phone number
- Simple and intuitive programming
- Backup battery memory
- High reliability
- Effective limescale protection
- Compact installation

| Item-Nr:    | Description:                                                              |
|-------------|---------------------------------------------------------------------------|
| ADC008EZ2EU | Water Softener 8 L (8x17") valve EZ2 1" DF meter cont. Cabinet "EU" Mini  |
| ADC015EZ2EU | Water Softener 15 L (7x35") valve EZ2 1" DF meter cont. Cabinet "EU" MAXI |
| ADC020EZ2EU | Water Softener 20 L (8x35") valve EZ2 1" DF meter cont. Cabinet "EU" Maxi |
| ADC025EZ2EU | Water Softener 25 L (9x35") valve EZ2 1" DF meter cont. Cabinet "EU" Maxi |

## ADC-Clack WS1TC DF "EU" Residential monoblock water softeners - Control valve Clack WS1TC DOWNFLOW time controlled Cabinet EU



### EU WS1TC – Residential Cabinet Downflow Water Softener

The EU WS1TC cabinet water softener is a compact and professional solution for domestic and technical water treatment. Equipped with the Clack WS1TC valve with co-current (Downflow) regeneration, it ensures high performance, reliability, and optimized water and salt consumption.

It features a multifunction LCD display, allowing simple and intuitive system operation.

The intelligent metered control system triggers regeneration only when required, optimizing efficiency and reducing waste. An integrated backup battery preserves all settings in case of power failure.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Advantages

- High-efficiency regeneration
- Reduced water and salt consumption
- Simple and intuitive programming
- Backup battery memory
- High reliability
- Compact installation

| Item-Nr:    | Description:                                                            |
|-------------|-------------------------------------------------------------------------|
| ADC008CT1EU | Water Softener 8 L (8x17") Clack WS1TC 1" time cont. Cabinet "EU" Mini  |
| ADC015CT1EU | Water Softener 15 L (7x35") Clack WS1TC 1" time cont. Cabinet "EU" Maxi |
| ADC020CT1EU | Water Softener 20 L (8x35") Clack WS1TC 1" time cont. Cabinet "EU" Maxi |
| ADC025CT1EU | Water Softener 25 L (9x35") Clack WS1TC 1" time cont. Cabinet "EU" Maxi |

## ADC-Clack WS1CI DF "EU" Residential monoblock water softeners - Control valve Clack WS1CI DOWNFLOW metered Cabinet EU



### EU WS1CI – Residential Cabinet Downflow Water Softener

The EU WS1CI cabinet water softener is a compact and professional solution for domestic and technical water treatment. Equipped with the Clack WS1CI valve with co-current (Downflow) regeneration, it ensures high performance, reliability, and optimized water and salt consumption.

It features a multifunction LCD display, allowing simple and intuitive system operation.

The intelligent metered control system triggers regeneration only when required, optimizing efficiency and reducing waste. An integrated backup battery preserves all settings in case of power failure.

### Advantages

- High-efficiency regeneration
- Reduced water and salt consumption
- Simple and intuitive programming
- Backup battery memory
- High reliability
- Compact installation

| Item-Nr:    | Description:                                                             |
|-------------|--------------------------------------------------------------------------|
| ADC008CV1EU | Water Softener 8 L (8x17") Clack WS1CI 1" meter cont. Cabinet "EU" Mini  |
| ADC015CV1EU | Water Softener 15 L (7x35") Clack WS1CI 1" meter cont. Cabinet "EU" Maxi |
| ADC020CV1EU | Water Softener 20 L (8x35") Clack WS1CI 1" meter cont. Cabinet "EU" Maxi |
| ADC025CV1EU | Water Softener 25 L (9x35") Clack WS1CI 1" meter cont. Cabinet "EU" Maxi |



## ACCESSORIES FOR WATER SOFTENERS

### Softener accessories

### Water softeners accessories



| Item-Nr:      | Description:                                                  |
|---------------|---------------------------------------------------------------|
| AGPPN1K       | AGPPN1K AIR-GAP BACTERIOSTATIC ANTI-RETURN SIPHON             |
| TF17ST80304MF | STAINLESS STEEL BRAIDED FLEXIBLE HOSE S304 M/F ¾" FF L.800 MM |
| TPBB000120008 | CRISTAL rubber hose Ø 12x16 - 50 m roll (Price per meter)     |

## SOFT CLEAN

## SOFT CLEAN Decontaminant for ion exchange resins



**SOFT CLEAN - Super Concentrated.** Liquid formula for cleaning systems containing ion exchange resins. A decontaminant for water softener resins: it removes the most common contaminants such as iron, copper, aluminum, calcium and magnesium deposits, organic clay deposits, and bacterial silt. It keeps ion exchange resins clean, extending their life and preventing cycle time reductions.

**Soft CLEAN 5: 5 L Canister**

**Packaging**

One 80x120 cm EPAL pallet with 60 5 L canisters arranged on two levels (30 canisters per level).

Weight: Each canister has a gross weight of 5.5 kg.

A full pallet of 60 canisters weighs 330 kg

(+ pallet weight approximately 18 kg).

Minimum quantity: 10 canisters.

**Soft CLEAN 1: 1 Liter Bottle**

**Packaging:** Box of 12 bottles.

One 80x120 cm EPAL pallet with 864 bottles (24 boxes of 12 bottles).

A full pallet of 864 bottles weighs 330 kg

(+ pallet weight approximately 18 kg).

Minimum quantity: 1 box of 12 bottles.

| Item-Nr: | Description:                                                                      |
|----------|-----------------------------------------------------------------------------------|
| SC05B01L | SOFT CLEAN - formulated for the decontamination of cationic resins - 1 L Bottle   |
| SC05T05L | SOFT CLEAN - formulated for the decontamination of cationic resins - 5 L canister |



## STC S multibock balancing valve with bypass



STC-S The STC-S balancing valve has been specially developed for use in indirect cooling systems but performs just as effectively in refrigerated counters and cold-storage rooms, water softeners (can interrupt the water flow to the water softening or limescale protection system. In this case, the water supply is maintained by the integrated bypass.). Whatever the application, the STC-S delivers unrivalled hydronic performance. Key features Handwheel Equipped with a digital read-out, the handwheel ensures accurate and straightforward balancing. Positive shut-off function for easy maintenance. Self-sealing measuring points Doubly secured and self-sealing for total protection against leakage. Also enable more straightforward maintenance.

**AMETAL®**  
Dezincification resistant alloy that guarantees a longer valve lifetime and lowers the risk of leakage.

**Technical description**  
**Application:**  
Heating and cooling systems  
Water softeners  
Tap water systems  
**Functions:**  
Balancing  
Pre-setting  
Measuring  
Shut-off

**Available Dimensions:**  
DN 15-50  
**Pressure class:**  
PN 20  
**Temperature:**  
Max. working temperature: 150°C  
(At temperatures higher than 120°C, the handwheel should be removed.)  
Min. working temperature: -20°C

**Media:**  
Water or neutral fluids, water-glycol mixtures (0-57%).  
**Material:**  
Valve body and bonnet: AMETAL®  
Sealing (body/bonnet): EPDM O-ring  
Valve plug: AMETAL®  
Seat seal: EPDM O-ring  
Spindle: AMETAL®  
Slip washer: PTFE  
Spindle seal: EPDM O-ring  
Spring: Stainless steel  
Handwheel: Polyamide and TPE  
Measuring points: AMETAL®  
Sealings: EPDM  
Caps: Polyamide and TPE

**Marking:**  
Body: IMI or TA, PN 20/150, DN and inch size.  
Handwheel: TA, valve type and DN.  
**Connection:**  
- External thread according to ISO 228.  
Thread length according to DIN 3546.  
- Soldering ends

| Item-Nr:         | Description:                                      |
|------------------|---------------------------------------------------|
| VDB014<br>VDB020 | STC-S DN20 balancing valve with male thread 15/14 |
| VDB020<br>VDB025 | STC-S DN20 balancing valve with male thread       |
| VDB025<br>VDB025 | STC-S DN25 balancing valve with male thread       |
| VDB032<br>VDB025 | STC-S DN32 balancing valve with male thread       |
| VDB040<br>VDB025 | STC-S DN40 balancing valve with male thread       |
| VDB050<br>VDB025 | STC-S DN50 balancing valve with male thread       |

## STC T multibock balancing valve with bypass



STC-T Application: Heating and cooling systems, Water softeners (can interrupt the water flow to the water softening or limescale protection system. In this case, the water supply is maintained by the integrated bypass.), Tap water systems

Available dimensions: DN 25-32  
Pressure class: PN 20  
Temperature: Max. working temperature: 150°C  
Functions: Balancing, Pre-setting, Measuring, Shut-off

| Item-Nr:          | Description:                                |
|-------------------|---------------------------------------------|
| VDB020T<br>VDB025 | STC-T DN20 balancing valve with male thread |

## SIMPLEX WATER SOFTENERS VALVES CSG PULSE1 SERIES

### ADD-PU1 DC Simplex Series DF

### Simplex Water Softeners valve PULSE1 DOWNFLOW meter controlled



#### Simplex Water Softener PULSE 1

The PULSE 1 dual-tank water softener is a professional solution for domestic, technical, and light industrial water treatment. The system consists of a separate fiberglass pressure vessel and a brine tank, ensuring maximum installation flexibility and high operational autonomy.

Equipped with the PULSE 1 electronic metered valve with co-current (Downflow) regeneration, it delivers high softening performance, optimized water and salt consumption, and long-term reliability.

The intelligent metered control system triggers regeneration only based on actual water usage, reducing waste and operating costs. The system supports both metered and time-based programming, with all settings preserved via integrated backup battery.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

#### Optional Accessories

XP1ACWFB – Wi-Fi module for remote monitoring, programming, and system control

XP1ACBY – Heavy-duty plastic bypass for maintenance and system isolation

#### Benefits

- High-efficiency regeneration
- Reduced water and salt consumption
- Separate tank configuration (vessel + brine tank)
- Flexible modular installation
- Simple and intuitive programming
- Backup battery memory
- High reliability and long service life

| Item-Nr:   | Description:                                                            |
|------------|-------------------------------------------------------------------------|
| ADD008PUTS | Simplex water softener 8 L (8x17") PULSE 1" DF meter brine tank 30 L    |
| ADD010PUTS | Simplex water softener 10 L (9x17") PULSE 1" DF meter brine tank 30 L   |
| ADD012PUTS | Simplex water softener 12 L (10x17") PULSE 1" DF meter brine tank 30 L  |
| ADD015PUTS | Simplex water softener 15 L (7x35") PULSE 1" DF meter brine tank 75 L   |
| ADD020PUTS | Simplex water softener 20 L (8x35") PULSE 1" DF meter brine tank 75 L   |
| ADD025PUTS | Simplex water softener 25 L (9x35") PULSE 1" DF meter brine tank 75 L   |
| ADD030PUTS | Simplex water softener 30 L (10x35") PULSE 1" DF meter brine tank 75 L  |
| ADD040PUTS | Simplex water softener 40 L (10x44") PULSE 1" DF meter brine tank 100 L |
| ADD050PUTS | Simplex water softener 50 L (10x54") PULSE 1" DF meter brine tank 100 L |
| ADD060PUTS | Simplex water softener 60 L (13x44") PULSE 1" DF meter brine tank 145 L |
| ADD075PUTS | Simplex water softener 75 L (13x54") PULSE 1" DF meter brine tank 145 L |
| XP1ACBY    | PULSE 1 Downflow/Upflow Plastic bypass 3/4" - 1"                        |
| XP1ACWFB   | PULSE 1 Downflow/Upflow WiFi-board                                      |

## SIMPLEX WATER SOFTENERS WITH VALVES APEX EZ/TZ/GZ

### ADD-EZ2 DF DC Simplex Series

### Simplex Water Softeners valve EZ2 DOWNFLOW meter controlled



#### EZ2 Simplex Water Softener

The EZ2 dual-tank water softener is a professional solution for domestic, technical, and light industrial water treatment. The system consists of a separate fiberglass pressure vessel and a brine tank, ensuring maximum installation flexibility, high autonomy, and easy maintenance.

It is equipped with the EZ2 electronic metered valve with co-current (Downflow) regeneration, delivering high softening performance, optimized water and salt consumption, and intelligent cycle management.

The system features a multifunction LCD display, allowing simple and intuitive operation.

The intelligent metered control system triggers regeneration only based on actual water usage, reducing waste and operating costs. An integrated backup battery preserves all settings in case of power failure.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

#### Benefits

- High-efficiency regeneration
- Reduced water and salt consumption
- Separate tank configuration (vessel + brine tank)
- Flexible modular installation
- Simple and intuitive programming
- Backup battery memory
- High reliability and long service life

| Item-Nr:    | Description:                                                                     |
|-------------|----------------------------------------------------------------------------------|
| ADD008EZ2TS | Simplex water softener 8 L (8x17") EZ2 1" DF meter controlled brine tank 30 L    |
| ADD015EZ2TS | Simplex water softener 15 L (7x35") EZ2 1" DF meter controlled brine tank 75 L   |
| ADD020EZ2TS | Simplex water softener 20 L (8x35") EZ2 1" DF meter controlled brine tank 75 L   |
| ADD025EZ2TS | Simplex water softener 25 L (9x35") EZ2 1" DF meter controlled brine tank 75 L   |
| ADD030EZ2TS | Simplex water softener 30 L (10x35") EZ2 1" DF meter controlled brine tank 75 L  |
| ADD040EZ2TS | Simplex water softener 40 L (10x44") EZ2 1" DF meter controlled brine tank 100 L |
| ADD050EZ2TS | Simplex water softener 50 L (10x54") EZ2 1" DF meter controlled brine tank 100 L |
| ADD060EZ2TS | Simplex water softener 60 L (13x44") EZ2 1" DF meter controlled brine tank 145 L |
| ADD075EZ2TS | Simplex water softener 75 L (13x54") EZ2 1" DF meter controlled brine tank 145 L |

## SIMPLEX WATER SOFTENERS VALVE CLACK

### ADD-Clack WS1TC DC Simplex Series

### Simplex Water Softeners Clack valves WS1TC time controlled



# Clack

#### WS1TC Simplex Water Softener

The WS1TC dual-tank water softener is a simple and reliable solution for domestic and technical water treatment. The system consists of a separate fiberglass vessel and a brine tank, ensuring flexible installation and good operational autonomy.

It is equipped with the Clack WS1TC electronic time-controlled valve, designed to operate with predefined programs for easy and straightforward system management.

Regeneration is performed strictly based on time settings, without water consumption measurement. The system ensures continuous operation and simplified maintenance.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

#### Benefits

- Simple and reliable system
- Time-based regeneration
- Predefined programs
- Separate dual-tank system
- Flexible installation
- Easy maintenance

| Item-Nr:    | Description:                                                                          |
|-------------|---------------------------------------------------------------------------------------|
| ADD008CT1TS | Simplex water softener 8 L (8x17") Clack WS1TC 1" time controlled brine tank 30 L     |
| ADD015CT1TS | Simplex water softener 15 L (7x35") Clack WS1TC 1" time controlled brine tank 75 L    |
| ADD020CT1TS | Simplex water softener 20 L (8x35") Clack WS1TC 1" time controlled brine tank 75 L    |
| ADD025CT1TS | Simplex water softener 25 L (9x35") Clack WS1TC 1" time controlled brine tank 75 L    |
| ADD030CT1TS | Simplex water softener 30 L (10x35") Clack WS1TC 1" time controlled brine tank 75 L   |
| ADD040CT1TS | Simplex water softener 40 L (10x44") Clack WS1TC 1" time controlled brine tank 100 L  |
| ADD050CT1TS | Simplex water softener 50 L (10x54") Clack WS1TC 1" time controlled brine tank 100 L  |
| ADD060CT1TS | Simplex water softener 60 L (13x54") Clack WS1TC 1" time controlled brine tank 145 L  |
| ADD075CT1TS | Simplex water softener 75 L (13x54") Clack WS1TC 1" time controlled brine tank 145 L  |
| ADD090CT1TS | Simplex water softener 90 L (14x52") Clack WS1TC 1" time controlled brine tank 200 L  |
| ADD100CT1TS | Simplex water softener 100 L (14x65") Clack WS1TC 1" time controlled brine tank 200 L |
| ADD125CT1TS | Simplex water softener 125 L (16x65") Clack WS1TC 1" time controlled brine tank 350 L |

## ADD-Clack WS1CI DC Simplex Series

## Simplex Water Softeners Clack valves WS1CI meter controlled



# Clack

### WS1CI Simplex Water Softener

The WS1CI dual-tank water softener is a professional solution for domestic, technical, and light industrial water treatment. The system consists of a separate fiberglass pressure vessel and a brine tank, ensuring flexible installation and easy maintenance.

It is equipped with the Clack WS1CI electronic metered valve with co-current (Downflow) regeneration, delivering high performance, optimized consumption, and long-term reliability.

The intelligent metered control system triggers regeneration based on actual water usage, reducing salt and water waste while ensuring continuous service. The system supports both volumetric and time-based programming, with settings preserved via integrated backup battery.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Advantages

- High-efficiency regeneration
- Reduced water and salt consumption
- Separate dual-tank system
- Flexible modular installation
- Simple and intuitive programming
- Backup battery memory
- High reliability and durability

| Item-Nr:    | Description:                                                                           |
|-------------|----------------------------------------------------------------------------------------|
| ADD008CV1TS | Simplex water softener 8 L (8x17") Clack WS1CI 1" meter controlled brine tank 30 L     |
| ADD015CV1TS | Simplex water softener 15 L (7x35") Clack WS1CI 1" meter controlled brine tank 75 L    |
| ADD020CV1TS | Simplex water softener 20 L (8x35") Clack WS1CI 1" meter controlled brine tank 75 L    |
| ADD025CV1TS | Simplex water softener 25 L (9x35") Clack WS1CI 1" meter controlled brine tank 75 L    |
| ADD030CV1TS | Simplex water softener 30 L (10x35") Clack WS1CI 1" meter controlled brine tank 75 L   |
| ADD040CV1TS | Simplex water softener 40 L (10x44") Clack WS1CI 1" meter controlled brine tank 100 L  |
| ADD050CV1TS | Simplex water softener 50 L (10x54") Clack WS1CI 1" meter controlled brine tank 100 L  |
| ADD060CV1TS | Simplex water softener 60 L (13x44") Clack WS1CI 1" meter controlled brine tank 100 L  |
| ADD075CV1TS | Simplex water softener 75 L (13x54") Clack WS1CI 1" meter controlled brine tank 145 L  |
| ADD090CV1TS | Simplex water softener 90 L (14x52") Clack WS1CI 1" meter controlled brine tank 200 L  |
| ADD100CV1TS | Simplex water softener 100 L (14x65") Clack WS1CI 1" meter controlled brine tank 200 L |
| ADD125CV1TS | Simplex water softener 125 L (16x65") Clack WS1CI 1" meter controlled brine tank 350 L |

## ADD-Clack WS1.25CI DC Simplex Series

## Simplex Water Softeners Clack valves WS1.25CI 1 1/4" meter controlled




### WS1.25CI Simplex Water Softener

The WS1.25CI dual-tank water softener is a high-performance solution for residential, commercial, and light industrial water treatment applications. The system consists of a separate fiberglass pressure vessel and brine tank, ensuring high treatment capacity, installation flexibility, and easy maintenance.

It is equipped with the Clack WS1.25CI electronic metered valve, specifically designed for applications requiring higher flow rates than standard 1" control valves. Advanced electronic control allows complete regeneration cycle programming and optimized water and salt consumption. Metered regeneration is activated according to actual water usage, ensuring maximum efficiency and uninterrupted service. The valve supports multiple regeneration modes and stores all operating parameters through non-volatile memory with battery backup.

### Benefits

- High treatment capacity
- Clack WS1.25CI valve for higher flow rates
- High-efficiency metered regeneration
- Reduced water and salt consumption
- Separate vessel and brine tank configuration
- Flexible modular installation
- Simple and intuitive programming
- Battery-backed memory
- High reliability and long service life

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

| Item-Nr:      | Description:                                                                                  |
|---------------|-----------------------------------------------------------------------------------------------|
| ADD075CV125TS | Simplex water softener 75 L (13x54") Clack WS1.25CI 1 1/4" meter controlled brine tank 145 L  |
| ADD100CV125TS | Simplex water softener 100 L (14x65") Clack WS1.25CI 1 1/4" meter controlled brine tank 200 L |
| ADD125CV125TS | Simplex water softener 125 L (16x65") Clack WS1.25CI 1 1/4" meter controlled brine tank 350 L |
| ADD150CV125TS | Simplex water softener 150 L (16x65") Clack WS1.25CI 1 1/4" meter controlled brine tank 350 L |
| ADD175CV125TS | Simplex water softener 175 L (18x65") Clack WS1.25CI 1 1/4" meter controlled brine tank 350 L |
| ADD200CV125TS | Simplex water softener 200 L (20x69") Clack WS1.25CI 1 1/4" meter controlled brine tank 350 L |



## ADD-CLACK WS1.5PCI plastic DC Simplex Series

## Simplex Water Softeners Clack valves WS1.5PCI (Noryl®) meter controlled



WS1.5-P CI Simplex Water Softener

Benefits

The WS1.5-P CI dual-tank water softener is a high-performance solution for residential, commercial, and industrial water treatment applications. The system consists of a separate fiberglass pressure vessel and brine tank, ensuring high treatment capacity, installation flexibility, and easy maintenance.

It is equipped with the Clack WS1.5-P CI electronic metered valve, designed for high-flow applications and demanding water consumption requirements. The advanced electronic controller allows complete regeneration cycle programming and optimized water and salt consumption. Metered regeneration is activated according to actual water usage, ensuring maximum efficiency and continuous service.

Permanent memory with integrated battery backup preserves all programmed settings in the event of a power interruption.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

- High treatment capacity
- Clack WS1.5-P CI valve for high flow rates
- High-efficiency metered regeneration
- Reduced water and salt consumption
- Separate vessel and brine tank configuration
- Flexible modular installation
- Simple and intuitive programming
- Battery-backed memory
- High reliability and long service life
- Effective limescale protection

| Item-Nr:      | Description:                                                                                  |
|---------------|-----------------------------------------------------------------------------------------------|
| ADD100CV15PTS | Simplex water softener 100 L (14x65") with Clack WS1.5PCI (Noryl®) 1½" meter brine tank 200 L |
| ADD125CV15PTS | Simplex water softener 125 L (16x65") with Clack WS1.5PCI (Noryl®) 1½" meter brine tank 350 L |
| ADD150CV15PTS | Simplex water softener 150 L (16x65") with Clack WS1.5PCI (Noryl®) 1½" meter brine tank 350 L |
| ADD175CV15PTS | Simplex water softener 175 L (18x65") with Clack WS1.5PCI (Noryl®) 1½" meter brine tank 350 L |
| ADD200CV15PTS | Simplex water softener 200 L (20x69") with Clack WS1.5PCI (Noryl®) 1½" meter brine tank 500 L |
| ADD250CV15PTS | Simplex water softener 250 L (21x62") with Clack WS1.5PCI (Noryl®) 1½" meter brine tank 500 L |
| ADD300CV15PTS | Simplex water softener 300 L (24x65") with Clack WS1.5PCI (Noryl®) 1½" meter brine tank 750 L |
| ADD350CV15PTS | Simplex water softener 350 L (24x72") with Clack WS1.5PCI (Noryl®) 1½" meter brine tank 750 L |



## ADD-CLACK WS1.5CI Brass Simplex Series

## Simplex Water Softeners Clack valves WS1.5CI brass meter controlled



### WS1.5 CI Simplex Water Softener

The WS1.5 CI dual-tank water softener is a high-performance solution for residential, commercial, and industrial water treatment applications. The system consists of a separate fiberglass pressure vessel and brine tank, ensuring high treatment capacity, installation flexibility, and easy maintenance.

It is equipped with the Clack WS1.5 CI electronic metered valve, designed for high-flow applications and demanding water consumption requirements. The advanced electronic controller allows complete regeneration cycle programming and optimized water and salt consumption. Metered regeneration is activated according to actual water usage, ensuring maximum efficiency and continuous service.

Permanent memory with integrated battery backup preserves all programmed settings in the event of a power interruption.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- High treatment capacity
- Clack WS1.5 CI valve for high flow rates
- High-efficiency metered regeneration
- Reduced water and salt consumption
- Separate vessel and brine tank configuration
- Flexible modular installation
- Simple and intuitive programming
- Battery-backed memory
- High reliability and long service life

| Item-Nr:     | Description:                                                                                   |
|--------------|------------------------------------------------------------------------------------------------|
| ADD100CV15TS | Simplex water softener 100 L (14x65") with Clack WS1.5CI 1½" meter controlled brine tank 200 L |
| ADD125CV15TS | Simplex water softener 125 L (16x65") with Clack WS1.5CI 1½" meter controlled brine tank 350 L |
| ADD150CV15TS | Simplex water softener 150 L (16x65") with Clack WS1.5CI 1½" meter controlled brine tank 350 L |
| ADD175CV15TS | Simplex water softener 175 L (18x65") with Clack WS1.5CI 1½" meter controlled brine tank 350 L |
| ADD200CV15TS | Simplex water softener 200 L (20x69") with Clack WS1.5CI 1½" meter controlled brine tank 500 L |
| ADD250CV15TS | Simplex water softener 250 L (21x62") with Clack WS1.5CI 1½" meter controlled brine tank 500 L |
| ADD300CV15TS | Simplex water softener 300 L (24x65") with Clack WS1.5CI 1½" meter controlled brine tank 750 L |
| ADD350CV15TS | Simplex water softener 350 L (24x72") with Clack WS1.5CI 1½" meter controlled brine tank 750 L |

## ADD-CLACK WS2PCI plastic DC Simplex Series

## Simplex Water Softeners Clack valves WS2PCI (Noryl®) meter controlled



WS2-P CI Simplex Water Softener

The WS2-P CI dual-tank water softener is a high-performance solution for commercial, industrial, and process water treatment applications. The system consists of a separate fiberglass pressure vessel and brine tank, ensuring high treatment capacity, installation flexibility, and easy maintenance.

It is equipped with the Clack WS2-P CI electronic metered valve, manufactured from high-strength engineered plastic and designed for high-flow applications with significant water demand. The advanced electronic controller allows complete regeneration cycle programming and optimized water and salt consumption.

Metered regeneration is activated according to actual water usage, ensuring maximum efficiency and continuous service. Permanent memory preserves all programmed settings even in the event of a power interruption.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- High treatment capacity
- Clack WS2-P CI valve for high flow rates
- High-strength engineered plastic valve body
- High-efficiency metered regeneration
- Reduced water and salt consumption
- Separate vessel and brine tank configuration
- Flexible modular installation
- Simple and intuitive programming
- High reliability and long service life
- Effective limescale protection

| Item-Nr:     | Description:                                                                                           |
|--------------|--------------------------------------------------------------------------------------------------------|
| ADD100CV2PTS | Simplex water softener 100 L (14x65") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 200 L  |
| ADD125CV2PTS | Simplex water softener 125 L (16x65") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 350 L  |
| ADD150CV2PTS | Simplex water softener 150 L (16x65") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 350 L  |
| ADD175CV2PTS | Simplex water softener 175 L (18x65") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 350 L  |
| ADD200CV2PTS | Simplex water softener 200 L (20x69") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 500 L  |
| ADD250CV2PTS | Simplex water softener 250 L (21x62") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 500 L  |
| ADD300CV2PTS | Simplex water softener 300 L (24x65") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 750 L  |
| ADD350CV2PTS | Simplex water softener 350 L (24x72") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 750 L  |
| ADD400CV2PTS | Simplex water softener 400 L (30x72") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 750 L  |
| ADD450CV2PTS | Simplex water softener 450 L (30x72") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 1000 L |
| ADD500CV2PTS | Simplex water softener 500 L (30x72") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 1500 L |
| ADD650CV2PTS | Simplex water softener 650 L (36x72") with Clack WS2PCI (Noryl®) 2" meter controlled brine tank 1500 L |

## ADD-CLACK WS2CI Brass DC Simplex Series

## Simplex Water Softeners Clack valves WS2CI brass meter controlled



### WS2 CI Simplex Water Softener

The WS2 CI dual-tank water softener is a high-performance solution for commercial, industrial, and process water treatment applications. The system consists of a separate fiberglass pressure vessel and brine tank, ensuring high treatment capacity, installation flexibility, and easy maintenance.

It is equipped with the Clack WS2 CI electronic metered valve featuring a brass body, specifically designed for high-flow applications requiring strength, reliability, and long service life. The advanced electronic controller allows complete regeneration cycle programming and optimized water and salt consumption.

Metered regeneration is activated according to actual water usage, ensuring maximum efficiency and continuous service. Permanent memory preserves all programmed settings even in the event of a power interruption.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- High treatment capacity
- Clack WS2 CI valve for high flow rates
- Heavy-duty brass valve body
- High-efficiency metered regeneration
- Reduced water and salt consumption
- Separate vessel and brine tank configuration
- Flexible modular installation
- Simple and intuitive programming
- High reliability and long service life

| Item-Nr:    | Description:                                                                                 |
|-------------|----------------------------------------------------------------------------------------------|
| ADD100CV2TS | Simplex water softener 100 L (14x65") with Clack WS2CI 2" meter controlled brine tank 200 L  |
| ADD125CV2TS | Simplex water softener 125 L (16x65") with Clack WS2CI 2" meter controlled brine tank 350 L  |
| ADD150CV2TS | Simplex water softener 150 L (16x65") with Clack WS2CI 2" meter controlled brine tank 350 L  |
| ADD175CV2TS | Simplex water softener 175 L (18x65") with Clack WS2CI 2" meter controlled brine tank 350 L  |
| ADD200CV2TS | Simplex water softener 200 L (20x69") with Clack WS2CI 2" meter controlled brine tank 500 L  |
| ADD250CV2TS | Simplex water softener 250 L (21x62") with Clack WS2CI 2" meter controlled brine tank 500 L  |
| ADD300CV2TS | Simplex water softener 300 L (24x65") with Clack WS2CI 2" meter controlled brine tank 750 L  |
| ADD350CV2TS | Simplex water softener 350 L (24x72") with Clack WS2CI 2" meter controlled brine tank 750 L  |
| ADD400CV2TS | Simplex water softener 400 L (30x72") with Clack WS2CI 2" meter controlled brine tank 750 L  |
| ADD450CV2TS | Simplex water softener 450 L (30x72") with Clack WS2CI 2" meter controlled brine tank 1000 L |
| ADD500CV2TS | Simplex water softener 500 L (30x72") with Clack WS2CI 2" meter controlled brine tank 1500 L |
| ADD650CV2TS | Simplex water softener 650 L (36x72") with Clack WS2CI 2" meter controlled brine tank 1500 L |

## ADD-CLACK WS2CI/QC brass DC Simplex Series

## Simplex Water Softeners High Flow Clack valves WS2CI/QC brass meter controlled



### WS2CI/QC High Flow Simplex Water Softener

### Benefits

The WS2CI/QC High Flow dual-tank water softener is a professional solution designed for commercial, industrial, and process water treatment applications requiring high flow rates and significant water demand. The system consists of a separate fiberglass pressure vessel and brine tank, ensuring high operating capacity, reliability, and installation flexibility.

It is equipped with the Clack WS2CI/QC High Flow electronic metered valve, engineered to provide low pressure loss and outstanding performance even under demanding flow conditions. The advanced electronic controller allows complete regeneration cycle programming and optimized water and salt consumption.

Metered regeneration is activated according to actual water usage, ensuring maximum efficiency and uninterrupted service. Permanent memory preserves all programmed settings even in the event of a power interruption.

Systems are supplied in Top Mount configuration as standard. A Side Mount version is available upon request, excluding external interconnecting pipework.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

- Designed for high-flow applications
- Clack WS2CI/QC High Flow valve
- Low pressure loss
- High-efficiency metered regeneration
- Reduced water and salt consumption
- Separate vessel and brine tank configuration
- Standard Top Mount design
- Side Mount version available upon request
- Simple and intuitive programming
- High reliability and long service life

| Item-Nr:      | Description:                                                                                    |
|---------------|-------------------------------------------------------------------------------------------------|
| ADD500CV2QCTS | Simplex water softener 500 L (30x72") with Clack WS2CI/QC 2" meter controlled brine tank 1000 L |
| ADD650CV2QCTS | Simplex water softener 650 L (36x72") with Clack WS2CI/QC 2" meter controlled brine tank 1500 L |
| ADD750CV2QCTS | Simplex water softener 750 L (42x72") with Clack WS2CI/QC 2" meter controlled brine tank 2000 L |
| ADD800CV2QCTS | Simplex water softener 800 L (48x72") with Clack WS2CI/QC 2" meter controlled brine tank 3000 L |

## DUPLEX ALTERNATED WATER SOFTENERS VALVE CLACK

### ADT-Twin Clack WS1TTCl Duplex Series

### Twin System Water Softeners Clack valve WS1TTCl Twin meter controlled



# Clack

#### WS1TT Duplex Water Softener

The WS1TT Duplex Water Softener is a professional solution designed to provide a continuous supply of softened water for residential, commercial, and light industrial applications. The system consists of two ion-exchange resin vessels and a separate brine tank, allowing alternating operation without service interruption.

It is equipped with 1" Clack WS1TT electronic control valves, specifically designed for alternating duplex systems. When one vessel reaches its treatment capacity, the system automatically switches to the second vessel while the exhausted vessel begins regeneration. This operating principle ensures a constant supply of softened water 24 hours a day.

The advanced electronic controller automatically manages all operating phases, optimizing water and salt consumption while ensuring maximum system efficiency. Regeneration is initiated according to the actual treated volume, eliminating waste and maintaining consistent performance over time.

#### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

#### Benefits

- Continuous softened water supply 24/7
- Alternating duplex system 1"
- Clack WS1TT control valves
- No service interruption during regeneration
- High-efficiency metered regeneration
- Optimized water and salt consumption
- High operational reliability
- Ideal for continuous or variable water demand
- Simple and low-maintenance operation

| Item-Nr:     | Description:                                                                                          |
|--------------|-------------------------------------------------------------------------------------------------------|
| ADT015CI01TT | Alternating Twin Duplex water softener 15 L (7x35") with Clack WS1TTCl metered 1 x brine tank 75 L    |
| ADT020CI01TT | Alternating Twin Duplex water softener 20 L (8x35") with Clack WS1TTCl metered 1 x brine tank 75 L    |
| ADT025CI01TT | Alternating Twin Duplex water softener 25 L (9x35") with Clack WS1TTCl metered 1 x brine tank 75 L    |
| ADT030CI01TT | Alternating Twin Duplex water softener 30 L (10x35") with Clack WS1TTCl metered 1 x brine tank 100 L  |
| ADT040CI01TT | Alternating Twin Duplex water softener 40 L (10x44") with Clack WS1TTCl metered 1 x brine tank 100 L  |
| ADT050CI01TT | Alternating Twin Duplex water softener 50 L (10x44") with Clack WS1TTCl metered 1 x brine tank 100 L  |
| ADT060CI01TT | Alternating Twin Duplex water softener 60 L (13x54") with Clack WS1TTCl metered 1 x brine tank 145 L  |
| ADT075CI01TT | Alternating Twin Duplex water softener 75 L (13x54") with Clack WS1TTCl metered 1 x brine tank 145 L  |
| ADT090CI01TT | Alternating Twin Duplex water softener 90 L (14x52") with Clack WS1TTCl metered 1 x brine tank 200 L  |
| ADT100CI01TT | Alternating Twin Duplex water softener 100 L (14x65") with Clack WS1TTCl metered 1 x brine tank 200 L |
| ADT125CI01TT | Alternating Twin Duplex water softener 125 L (16x65") with Clack WS1TTCl metered 1 x brine tank 350 L |



## ADX-Clack WS1CI 1" Duplex Series

## Alternated System Softeners Clack 2xWS1CI valves+ MAV 1" metered



# Clack

### WS1CI + MAV Duplex Water Softener

The WS1CI + MAV Duplex Water Softener is a professional solution designed to provide a continuous supply of softened water for residential, commercial, and light industrial applications. The system consists of two ion-exchange resin vessels, a separate brine tank, and a motorized 3-way alternating valve (MAV) that automatically manages vessel switching.

The system is equipped with two 1" Clack WS1CI electronic metered valves and a Motorized Alternating Valve (MAV) that controls alternating duplex operation. When one vessel reaches its programmed treatment capacity, the MAV automatically switches service to the second vessel while the exhausted vessel starts regeneration.

This configuration guarantees uninterrupted softened water supply while optimizing water and salt consumption. The advanced electronic controller provides complete regeneration programming and automatic management of all operating phases.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- Continuous softened water supply 24/7
- Alternating duplex system
- Two 1" Clack WS1CI metered valves
- Motorized 3-way MAV valve
- No service interruption during regeneration
- High-efficiency metered regeneration
- Optimized water and salt consumption
- High operational reliability
- Ideal for continuous or variable water demand
- Simple and low-maintenance operation

| Item-Nr:  | Description:                                                                              |
|-----------|-------------------------------------------------------------------------------------------|
| ADX015CV1 | Alternated Duplex water softener 15 L 2 x Clack WS1CI 1" met. + MAV + 2x brine tank 75 L  |
| ADX020CV1 | Alternated Duplex water softener 20 L 2 x Clack WS1CI 1" met. + MAV + 2x brine tank 75 L  |
| ADX025CV1 | Alternated Duplex water softener 25 L 2x Clack WS1CI 1" met. + MAV + 2x brine tank 75 L   |
| ADX030CV1 | Alternated Duplex water softener 30 L 2x Clack WS1CI 1" met. + MAV + 2x brine tank 75 L   |
| ADX040CV1 | Alternated Duplex water softener 40 L 2x Clack WS1CI 1" met. + MAV + 2x brine tank 100 L  |
| ADX050CV1 | Alternated Duplex water softener 50 L 2x Clack WS1CI 1" met. + MAV + 2x brine tank 100 L  |
| ADX060CV1 | Alternated Duplex water softener 60 L 2x Clack WS1CI 1" met. + MAV + 2x brine tank 145 L  |
| ADX075CV1 | Alternated Duplex water softener 75 L 2x Clack WS1CI 1" met. + MAV + 2x brine tank 145 L  |
| ADX090CV1 | Alternated Duplex water softener 90 L 2x Clack WS1CI 1" met. + MAV + 2x brine tank 200 L  |
| ADX100CV1 | Alternated Duplex water softener 100 L 2x Clack WS1CI 1" met. + MAV + 2x brine tank 200 L |
| ADX125CV1 | Alternated Duplex water softener 125 L 2x Clack WS1CI 1" met. + MAV + 2x brine tank 350 L |

## ADX-Clack WS1.25CI 1.25" Duplex Series Alternated System Softeners Clack 2 x WS1.25CI valves+ MAV 1¼" metered



# Clack

### WS1.25CI + MAV Duplex Water Softener

The WS1.25CI + MAV Duplex Water Softener is a high-performance solution designed to provide a continuous supply of softened water for commercial, industrial, and process applications. The system consists of two ion-exchange resin vessels, a separate brine tank, and a motorized 3-way alternating valve (MAV) that automatically manages vessel switching.

The system is equipped with two 1¼" Clack WS1.25CI electronic metered valves and a Motorized Alternating Valve (MAV) that controls alternating duplex operation. When one vessel reaches its programmed treatment capacity, the MAV automatically switches service to the second vessel while the exhausted vessel starts regeneration.

This configuration guarantees uninterrupted softened water supply while optimizing water and salt consumption. The advanced electronic controller provides complete regeneration programming and automatic management of all operating phases.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- Continuous softened water supply 24/7
- Alternating duplex system
- Two 1¼" Clack WS1.25CI metered valves
- Motorized 3-way MAV valve
- No service interruption during regeneration
- High-efficiency metered regeneration
- Optimized water and salt consumption
- High operational reliability
- Ideal for continuous or variable water demand
- Simple and low-maintenance operation

| Item-Nr:    | Description:                                                                                     |
|-------------|--------------------------------------------------------------------------------------------------|
| ADX075CV125 | Alternated Duplex water softener 75 L 2 x Clack WS1.25CI 1¼" met.+MAV+2xbrine tank 145 L         |
| ADX090CV125 | Alternated Duplex water softener 90 L 2x Clack WS1.25CI 1¼" met. + MAV + 2x brine tank 200 L     |
| ADX100CV125 | Alternated Duplex water softener 100 L 2x Clack WS1.25CI 1¼" met. + MAV + 2x brine tank 200 L    |
| ADX125CV125 | Alternated Duplex water softener 125 L 2x Clack WS1.25CI 1¼" met.+ MAV + 2x brine tank 350 L     |
| ADX150CV125 | Alternated Duplex water softener 150 L 2x Clack WS1.25CI 1¼" met.+ MAV + 2x brine tank 350 L     |
| ADX175CV125 | Alternated Duplex water softener 175 L 2x Clack WS1.25CI 1¼" metered + MAV + 2x brine tank 350 L |
| ADX200CV125 | Alternated Duplex water softener 200 L 2x Clack WS1.25CI 1¼" metered + MAV + 2x brine tank 350 L |

## ADT-Twin Clack WS1.5TTCI Duplex Series

Alternate Twin System Water Softeners Clack valve  
WS1.5TTCI Twin meter controlled



# Clack

### WS1.5TT Duplex Water Softener

The WS1.5TT Duplex Water Softener is a high-performance solution designed to provide a continuous supply of softened water for commercial, industrial, and process applications. The system consists of two ion-exchange resin vessels and a separate brine tank, allowing alternating operation without service interruption.

It is equipped with 1.5" Clack WS1.5TT electronic control valves, specifically designed for duplex systems requiring high flow rates and significant water demand. When one vessel reaches its treatment capacity, the system automatically switches to the second vessel while the exhausted vessel begins regeneration. This operating principle ensures a constant supply of softened water 24 hours a day.

The advanced electronic controller automatically manages all operating phases, optimizing water and salt consumption while ensuring maximum system efficiency. Regeneration is initiated according to the actual treated volume, eliminating waste and maintaining consistent performance over time.

### Benefits

- Continuous softened water supply 24/7
- Alternating duplex system
- 1.5" Clack WS1.5TT control valve
- No service interruption during regeneration
- High-efficiency metered regeneration
- Optimized water and salt consumption
- High operational reliability
- Ideal for continuous or variable water demand
- Simple and low-maintenance operation

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

| Item-Nr:     | Description:                                                                                     |
|--------------|--------------------------------------------------------------------------------------------------|
| ADT100CV15TT | Twin alternated system water softener 100 L valve Clack WS1.5TT Twin 1 1/2" 1x brine tank 200 L  |
| ADT125CV15TT | Twin alternated system water softener 125 L valve Clack WS1.5TT Twin 1 1/2" 1 x brine tank 350 L |
| ADT150CV15TT | Twin alternated system water softener 150 L valve Clack WS1.5TT Twin 1 1/2" 1x brine tank 350 L  |
| ADT175CV15TT | Twin alternated system water softener 175 L valve Clack WS1.5TT Twin 1 1/2" 1x brine tank 500 L  |
| ADT200CV15TT | Twin alternated system water softener 200 L valve Clack WS1.5TT Twin 1 1/2" 1x brine tank 500 L  |
| ADT250CV15TT | Twin alternated system water softener 250 L valve Clack WS1.5TT Twin 1 1/2" 1x brine tank 500 L  |
| ADT300CV15TT | Twin alternated system water softener 300 L valve Clack WS1.5TT Twin 1 1/2" 1x brine tank 750 L  |
| ADT350CV15TT | Twin alternated system water softener 300 L valve Clack WS1.5TT Twin 1 1/2" 1x brine tank 750 L  |



## ADX-Clack WS1.5PCI 1.5" plastic Duplex Series

Alternated System Softeners Clack 2 x WS1.5PCI (Noryl®) valves + MAV 1½" metered



# Clack

### WS1.5-P CI + MAV Duplex Water Softener

The WS1.5-P CI + MAV Duplex Water Softener is a high-performance solution designed to provide a continuous supply of softened water for commercial, industrial, and process applications with high flow requirements. The system consists of two ion-exchange resin vessels, a separate brine tank, and a motorized 3-way alternating valve (MAV) that automatically manages vessel switching.

The system is equipped with two 1.5" Clack WS1.5-P CI electronic metered valves and a Motorized Alternating Valve (MAV) that controls alternating duplex operation. When one vessel reaches its programmed treatment capacity, the MAV automatically switches service to the second vessel while the exhausted vessel starts regeneration.

This configuration guarantees uninterrupted softened water supply while optimizing water and salt consumption. The advanced electronic controller provides complete regeneration programming and automatic management of all operating phases.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- Continuous softened water supply 24/7
- Alternating duplex system
- Two 1.5" Clack WS1.5-P CI metered valves
- Motorized 3-way MAV valve
- No service interruption during regeneration
- High-efficiency metered regeneration
- Optimized water and salt consumption
- High operational reliability
- Ideal for continuous or variable water demand
- Simple and low-maintenance operation

| Item-Nr:      | Description:                                                                                     |
|---------------|--------------------------------------------------------------------------------------------------|
| ADX100CV15PCI | Alternated Duplex water softener 100 L 2x Clack WS15PCI 1½" metered + MAV + 2x brine tank 200 L  |
| ADX125CV15PCI | Alternated Duplex water softener 125 L 2 x Clack WS15PCI 1½" metered + MAV + 2x brine tank 350 L |
| ADX150CV15PCI | Alternated Duplex water softener 150 L 2x Clack WS15PCI 1½" metered + MAV + 2x brine tank 350 L  |
| ADX175CV15PCI | Alternated Duplex water softener 175 L 2x Clack WS15PCI 1½" metered + MAV + 2x brine tank 350 L  |
| ADX200CV15PCI | Alternated Duplex water softener 200 L 2x Clack WS15PCI 1½" metered + MAV + 2x brine tank 500 L  |
| ADX250CV15PCI | Alternated Duplex water softener 250 L 2x Clack WS15PCI 1½" metered + MAV + 2x brine tank 500 L  |
| ADX300CV15PCI | Alternated Duplex water softener 300 L 2x Clack WS15PCI 1½" metered + MAV + 2x brine tank 750 L  |
| ADX350CV15PCI | Alternated Duplex water softener 350 L 2x Clack WS15PCI 1½" metered + MAV + 2x brine tank 750 L  |

## ADX-Clack WS1.5CI 1.5" Duplex Series

Alternated System Softeners Clack 2 x WS1.5CI valves + MAV 1½" metered



# Clack

### WS1,5CI + MAV Duplex Water Softener

The WS1,5CI + MAV Duplex Water Softener is a high-performance solution designed to provide a continuous supply of softened water for commercial, industrial, and process applications. The system consists of two ion-exchange resin vessels, a separate brine tank, and a motorized 3-way alternating valve (MAV) that automatically manages vessel switching.

The system is equipped with two 1,5" Clack WS1,5CI electronic metered valves and a Motorized Alternating Valve (MAV) that controls alternating duplex operation. When one vessel reaches its programmed treatment capacity, the MAV automatically switches service to the second vessel while the exhausted vessel starts regeneration.

This configuration guarantees uninterrupted softened water supply while optimizing water and salt consumption. The advanced electronic controller provides complete regeneration programming and automatic management of all operating phases.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- Continuous softened water supply 24/7
- Alternating duplex system
- Two 1,5" Clack WS1,5CI metered valves
- Motorized 3-way MAV valve
- No service interruption during regeneration
- High-efficiency metered regeneration
- Optimized water and salt consumption
- High operational reliability
- Ideal for continuous or variable water demand
- Simple and low-maintenance operation

| Item-Nr:     | Description:                                                                                |
|--------------|---------------------------------------------------------------------------------------------|
| ADX100CV15CI | Alternated Duplex water softener 100 L 2x Clack WS15CI 1½" met. + MAV + 2x brine tank 200 L |
| ADX125CV15CI | Alternated Duplex water softener 125 L 2x Clack WS15CI 1½" met. + MAV + 2x brine tank 350 L |
| ADX150CV15CI | Alternated Duplex water softener 150 L 2x Clack WS15CI 1½" met. + MAV + 2x brine tank 350 L |
| ADX175CV15CI | Alternated Duplex water softener 175 L 2x Clack WS15CI 1½" met. + MAV + 2x brine tank 500 L |
| ADX200CV15CI | Alternated Duplex water softener 200 L 2x Clack WS15CI 1½" met. + MAV 2x brine tank 500 L   |
| ADX250CV15CI | Alternated Duplex water softener 250 L 2x Clack WS15CI 1½" met. + MAV 2x brine tank 500 L   |
| ADX300CV15CI | Alternated Duplex water softener 300 L 2x Clack WS15CI 1½" met. + MAV + 2x brine tank 750 L |
| ADX350CV15CI | Alternated Duplex water softener 350 L 2x Clack WS15CI 1½" met. + MAV + 2x brine tank 750 L |

## ADX-Clack WS2PCI 2" Duplex Series

Alternated System Softeners Clack 2 x WS2PCI (Noryl®) valves + MAV 2" metered



# Clack

### WS2-P CI + MAV Duplex Water Softener

The WS2-P CI + MAV Duplex Water Softener is a high-performance solution designed to provide a continuous supply of softened water for commercial, industrial, and process applications requiring high flow rates and uninterrupted service. The system consists of two ion-exchange resin vessels, a separate brine tank, and a motorized 3-way alternating valve (MAV) that automatically manages vessel switching.

The system is equipped with two 2" Clack WS2-P CI electronic metered valves manufactured from reinforced plastic material and a Motorized Alternating Valve (MAV) that controls alternating duplex operation. When one vessel reaches its programmed treatment capacity, the MAV automatically switches service to the second vessel while the exhausted vessel starts regeneration.

This configuration guarantees uninterrupted softened water supply while optimizing water and salt consumption. The advanced electronic controller provides complete regeneration programming and automatic management of all operating phases.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- Continuous softened water supply 24/7
- Alternating duplex system
- Two 2" Clack WS2-P CI metered valves
- Reinforced plastic valve body
- Motorized 3-way MAV valve
- No service interruption during regeneration
- High-efficiency metered regeneration
- Optimized water and salt consumption
- High operational reliability
- Ideal for continuous or variable water demand
- Simple and low-maintenance operation

| Item-Nr:     | Description:                                                                                       |
|--------------|----------------------------------------------------------------------------------------------------|
| ADX100CV2PCI | Alternated Duplex water softener 100 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 200 L  |
| ADX125CV2PCI | Alternated Duplex water softener 125 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 350 L  |
| ADX150CV2PCI | Alternated Duplex water softener 150 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 350 L  |
| ADX175CV2PCI | Alternated Duplex water softener 175 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 350 L  |
| ADX200CV2PCI | Alternated Duplex water softener 200 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 350 L  |
| ADX250CV2PCI | Alternated Duplex water softener 250 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 500 L  |
| ADX300CV2PCI | Alternated Duplex water softener 300 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 500 L  |
| ADX350CV2PCI | Alternated Duplex water softener 350 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 750 L  |
| ADX400CV2PCI | Alternated Duplex water softener 400 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 750 L  |
| ADX450CV2PCI | Alternated Duplex water softener 450 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 1000 L |
| ADX500CV2PCI | Alternated Duplex water softener 500 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 1500 L |
| ADX650CV2PCI | Alternated Duplex water softener 650 L 2x Clack WS2PCI Noryl® 2" met. + MAV + 2x brine tank 1500 L |

## ADX-Clack WS2CI 2" Duplex Series

## Alternated System Softeners Clack 2 x WS2CI valves + MAV 2"



# Clack

### WS2CI + MAV Duplex Water Softener

The WS2CI + MAV Duplex Water Softener is a high-performance solution designed to provide a continuous supply of softened water for commercial, industrial, and process applications. The system consists of two ion-exchange resin vessels, a separate brine tank, and a motorized 3-way alternating valve (MAV) that automatically manages vessel switching.

The system is equipped with two 2" Clack WS2CI electronic metered valves and a Motorized Alternating Valve (MAV) that controls alternating duplex operation. When one vessel reaches its programmed treatment capacity, the MAV automatically switches service to the second vessel while the exhausted vessel starts regeneration.

This configuration guarantees uninterrupted softened water supply while optimizing water and salt consumption. The advanced electronic controller provides complete regeneration programming and automatic management of all operating phases.

### Compliance

Complies with D.M. 174/2004. Suitable for drinking water applications under D.M. 25/2012 with optional resin disinfection system.

### Benefits

- Continuous softened water supply 24/7
- Alternating duplex system
- Two 2" Clack WS2CI metered valves
- Motorized 3-way MAV valve
- No service interruption during regeneration
- High-efficiency metered regeneration
- Optimized water and salt consumption
- High operational reliability
- Ideal for continuous or variable water demand
- Simple and low-maintenance operation

| Item-Nr:    | Description:                                                                                  |
|-------------|-----------------------------------------------------------------------------------------------|
| ADX100CV2CI | Alternated Duplex water softener 100 L 2x Clack WS2CI 2" metered + MAV + 2x brine tank 200 L  |
| ADX125CV2CI | Alternated Duplex water softener 125 L 2x Clack WS2CI 2" metered + MAV + 2x brine tank 350 L  |
| ADX150CV2CI | Alternated Duplex water softener 150 L 2x Clack WS2CI 2" metered + MAV + 2x brine tank 350 L  |
| ADX175CV2CI | Alternated Duplex water softener 175 L 2x Clack WS2CI 2" metered + MAV + 2x brine tank 350 L  |
| ADX200CV2CI | Alternated Duplex water softener 200 L 2x Clack WS2CI 2" metered + MAV + 2x brine tank 350 L  |
| ADX250CV2CI | Alternated Duplex water softener 250 L 2x Clack WS2CI 2" metered + MAV + 2x brine tank 500 L  |
| ADX300CV2CI | Alternated Duplex water softener 300 L 2x Clack WS2CI 2" metered + MAV + 2x brine tank 500 L  |
| ADX350CV2CI | Alternated Duplex water softener 350 L 2x Clack WS2CI 2" metered + MAV+ 2x brine tank 750 L   |
| ADX400CV2CI | Alternated Duplex water softener 400 L 2 x Clack WS2CI 2" metered + MAV + 2x brine tank 750 L |
| ADX450CV2CI | Alternated Duplex water softener 450 L 2x Clack WS2CI 2" metered + MAV + 2x brine tank 1000 L |
| ADX500CV2CI | Alternated Duplex water softener 500 L 2x Clack WS2CI 2" metered + MAV + 2x brine tank 1500 L |
| ADX650CV2CI | Alternated Duplex water softener 650 L 2x Clack WS2CI 2" metered + MAV + 2x brine tank 1500 L |

## ACTIVATED CARBON FILTERS

### FCA-A CT Automatic Carbon Filter Clack

### FCA-A CT Automatic activated carbon filter with Clack valve time controlled



Clack

The FCA-A CT series dechlorination filters for residential, commercial and industrial use include Clack control valves with automatic timed backwash and reinforced fiberglass cylinders. The filter bed is composed of a layer of spherical quartzite and premium foodgrade granular mineral activated carbon specifically for the treatment of drinking water. On request: Filters with 2-way motorized valve for closing Output in backwash and WS1CI Filter and WS1.25 CI Filter valves

| Item-Nr:       | Description:                                                                          |
|----------------|---------------------------------------------------------------------------------------|
| FCAA1054CT134  | FCA-A CT 10 Automatic GAC carbon filter valve Clack WS1TC 1" Ø 258 mm H 1550 mm       |
| FCAA1252CT134- | FCA-A CT 12 Automatic GAC carbon filter valve Clack WS1TC 1" Ø 307 mm H 1500 mm       |
| FCAA1354CT134- | FCA-A CT 13 Automatic GAC carbon filter valve Clack WS1TC 1" Ø 335 mm H 1550 mm       |
| FCAA1465CT134- | FCA-A CT 14 Automatic GAC carbon filter valve Clack WS1TC 1" Ø 359 mm H 1855 mm       |
| FCAA1665CT1-   | FCA-A CT 16 Automatic GAC carbon filter valve Clack WS1TC 1" Ø 418 mm H 1855 mm       |
| FCAA1865CT1    | FCA-A CT 18 Automatic GAC carbon filter valve Clack WS1TC 1" Ø 465 mm H 1870 mm       |
| FCAA2162CT1.25 | FCA-A CT 21 Automatic GAC carbon filter valve Clack WS1.25TC 1 ¼" Ø 543 mm H 1820     |
| FCAA2472CT1.5  | FCA-A CT 24 Automatic GAC carbon filter valve Clack WS1.5P-CI 1 ½" Ø 614 mm H 2090 mm |
| FCAA3072CT2    | FCA-A CT 24 Automatic GAC carbon filter valve Clack WS2CI 2" Ø 765 mm H 2100 mm       |



## QUARTZ SAND FILTERS

### FSQ-A Automatic Multi-Layer Filters valve Clack

### Quartzite automatic filters



Clack

FSQ-A series clarifier filters for residential, commercial and industrial applications are equipped with Clack control valves featuring automatic time-controlled backwashing and reinforced fiberglass pressure vessels. The filter media consists of a multilayer bed of selected spherical quartz with different grain sizes designed to ensure high suspended solids removal efficiency and enhanced filtration performance; the final layer is composed of fine-grain spherical quartz suitable for the clarification of potable and process water. Optional: filters supplied with a 2-way motorized valve for outlet shut-off during backwash and WS1CI Filter and WS1.25 CI Filter valves.

| Item-Nr:       | Description:                                                                                         |
|----------------|------------------------------------------------------------------------------------------------------|
| FSQA1054CT134  | FQA-A CT10 Automatic quartz sand filter (spherical quartz) Clack WS1TC 1" Ø 258 mm H 1550 mm         |
| FSQA1252CT134  | FQA-A CT12 Automatic quartz sand filter (spherical quartz) Clack WS1TC 1" Ø 307 mm H 1500 mm         |
| FSQA1354CT1    | FQA-A CT13 Automatic quartz sand filter (spherical quartz) Clack WS1TC 1" Ø 335 mm H 1550 mm         |
| FSQA1465CT1    | FQA-A CT14 Automatic quartz sand filter (spherical quartz) Clack WS1TC 1" Ø 335 mm H 1550 mm         |
| FSQA1665CT1    | FQA-A CT16 Automatic quartz sand filter (spherical quartz) Clack WS1TC 1" Ø 418 mm H 1855 mm         |
| FSQA1865CT1    | FQA-A CT18 Automatic quartz sand filter (spherical quartz) Clack WS1TC 1" Ø 465 mm H 1870 mm         |
| FSQA2162CT1.25 | FQA-A CT21 Automatic quartz sand filter (spherical quartz) Clack WS1.25TC 1 ¼" Ø 543 mm H 1820 mm    |
| FSQA2472CT1.5  | FQA-A CT24 Automatic quartz sand filter (spherical quartz) Clack WS1.5P-CI 1 ½" Ø 614 mm H 2090 mm   |
| FSQA3072CT2    | FQA-A CT30 Automatic quartz sand filter (spherical quartz) Clack WS2CI 2" time c. Ø 765 mm H 2100 mm |

## IRON REMOVAL SYSTEMS

### FDB-A CT Automatic Iron Removal Filters with BIRM Clack valves

### FDB-A CT Automatic Iron Removal Filters with BIRM Clack valves time c.



Clack

The FDB-A CT series iron removal filters for residential, commercial and industrial use include Clack control valves with automatic timed backwash and reinforced fiberglass frp tanks. The filter bed is composed of a multilayer base with quartzite of different grain sizes and a Birm filter bed. On request: Filters with 2-way motorized valve for closing Output in backwash and WS1CI Filter and WS1.25 CI Filter valves

| Item-Nr:       | Description:                                                                                |
|----------------|---------------------------------------------------------------------------------------------|
| FDBA1054CT134  | FDB-A CT 10 Automatic iron removal Filter w. BIRM -Clack WS1TC 1" Ø 258 mm H 1550 mm        |
| FDBA1252CT134  | FDB-A CT 12 Automatic iron removal Filter w. BIRM -Clack WS1TC 1" Ø 307 mm H 1500 mm        |
| FDBA1354CT134  | FDB-A CT 13 Automatic iron removal Filter w. BIRM -Clack WS1TC 1" Ø 335 mm H 1550 m         |
| FDBA1465CT1    | FDB-A CT 14 Automatic iron removal Filter w. BIRM -Clack WS1TC 1" Ø 359 mm H 1855 mm        |
| FDBA1665CT1    | FDB-A CT 16 Automatic iron removal Filter w. BIRM -Clack WS1TC 1" Ø 418 mm H 1855 mm        |
| FDBA1865CT1    | FDB-A CT 18 Automatic iron removal Filter w. BIRM -Clack WS1TC 1" Ø 465 mm H 1870 mm        |
| FDBA2162CT1.25 | FDB-A CT 21 Automatic iron removal Filter w. BIRM -Clack WS1TC 1 ¼" Ø 543 mm H 1820 mm      |
| FDBA2472CT1.5  | FDB-A CT 24 Automatic iron removal Filter w. BIRM -Clack WS1TC 1 ½" Ø 614 mm H 2090 mm      |
| FDBA3072CT2    | FDB-A CT 30 Automatic iron removal Filter w. BIRM -Clack W2CI time c. 2" Ø 765 mm H 2100 mm |

## FDP-A CT Automatic Iron Removal Filters w.Pyrolusite (Mn2O3) Clack valve

Automatic Iron Removers with Pyrolusite (Mn2O3 Manganese Dioxid) Clack valve time c.



# Clack

The FDP-A CT series iron removal filters for residential, commercial and industrial use include Clack control valves with automatic timed backwash and reinforced fiberglass frp tanks. The filter bed is composed of a multilayer base with quartzite of different grain sizes and a high quality pyrolusite (Mn2O3 Manganese Dioxid) filter bed. On request: Filters with 2-way motorized valve for closing Output in backwash and WS1CI Filter and WS1.25 CI Filter valves.

| Item-Nr:       | Description:                                                                                     |
|----------------|--------------------------------------------------------------------------------------------------|
| FDPA1054CT134  | FDP-A CT 10 Iron removal Filter w. Pyrolusite (Mn2O3)-Clack WS1TC 1" Ø 258 mm H 1550 mm          |
| FDPA1252CT134  | FDP-A CT 12 Iron removal Filter w. Pyrolusite (Mn2O3) -Clack WS1TC 1" Ø 307 mm H 1500 mm         |
| FDPA1354CT134  | FDP-A CT 13 Iron removal Filter w. Pyrolusite (Mn2O3) -Clack WS1TC 1"Ø 335 mm H 1550 mm          |
| FDPA1465CT134  | FDP-A CT 14 Iron removal Filter w. Pyrolusite (Mn2O3) -Clack WS1TC 1"Ø 359 mm H 1855 mm          |
| FDPA1665CT1    | FDP-A CT 16 Iron removal Filter w. Pyrolusite (Mn2O3) -Clack WS1TC 1"Ø 418 mm H 1855 mm          |
| FDPA1865CT1    | FDP-A CT 18 Iron removal Filter w. Pyrolusite (Mn2O3) -Clack WS1TC 1"Ø 465 mm H 1855 mm          |
| FDPA2162CT1.25 | FDP-A CT 21 Iron removal Filter w. Pyrolusite (Mn2O3) -Clack WS1.25TC 1" ¼" Ø 543 mm H 1820 mm   |
| FDPA2472CT1.5  | FDP-A CT 24 Iron removal Filter w. Pyrolusite (Mn2O3) -Clack WS1.5P-CI 1½" Ø 614 mm H 2090 mm    |
| FDPA3072CT2    | FDP-A CT 30 Iron removal Filter w. Pyrolusite (Mn2O3) -Clack WS2CI 2" time c. Ø 765 mm H 2100 mm |



## MAGNETIC SCALE PREVENTER

### AN-MG SCALE

### Magnetic scale preventer



**MAGNETIC ANTI-SCALE DEVICE**- it is a device that allows you to reduce the negative effects caused by a high hardness of the water through the action of a magnetic field, offering itself as a non-chemical alternative for water softening for improve water quality. Through the passage through the magnetic field, a molecular dissociation of the "hard salts" (calcium and magnesium ions) is provoked, transforming them into aragonite which remains in suspension thus inhibiting the formation of calcareous incrustations. In the case of both domestic and industrial systems that present metallic impurities, it would be useful to integrate the system through a filter (such as wire wrapped etc.). The instrument works at water temperatures not exceeding 80 degrees centigrade. In the presence of tanks, installation of the device would be optimal downstream of the cisterns

**STRONG POINTS:** Protects household appliances from limescale deposits and ensures: - Extending the life of appliances; - Better washing (softer laundry, brighter dishes etc ..); - Energy saving: limestone-free coils allow lower electricity consumption for heating water); - Savings on the use of detergents: use of recommended doses; - Respect for the environment: ecological, it does not release substances into the water. - Ease of use. There is no objective limit of hardness (limited to normal conditions of level). It is impossible to establish a limit in meters as regards the extension of the implants, but magnetic limescale removers have been used for very large implants that extend for kilometers and empirical tests have shown extremely successful results. The magnetic scale preventer can easily be installed in any system upstream of any appliance as required. It can be installed directly on the main circuit pipe with corresponding diameter or by-passing the circuit (recirculation) on a smaller diameter pipe.

Note: to be installed at least 1 m after the pump  
No running or maintenance costs after installation

| Item-Nr:   | Description:                                                                                      |
|------------|---------------------------------------------------------------------------------------------------|
| AM000PG08  | Magnetic scale preventer "Ultra-Compact" in plastic in/out port 8 mm PRICES ON REQUEST            |
| AM00MFB04  | Magnetic scale preventer MINI1 in brass chrome-plated in/out port ½ M/F for household appliances  |
| AM00MFB045 | Magnetic scale preventer "Combi 2 in 1" in brass chrome-plated in/out port ½" M/F and ¾" M/F      |
| AM00MFB05  | Magnetic scale preventer MINI2 in brass chrome-plated in/out port ¼" M/F for household appliances |
| AM00MMB06  | Magnetic scale preventer MINI3 in brass chrome-plated in/out port 3/8 M/M                         |
| AM01MMB04  | Magnetic scale preventer MG1 in brass chrome-plated in/out port ½ M/M                             |
| AM01MMB05  | Magnetic scale preventer MG2 in brass chrome-plated in/out port ¾" M/M                            |
| AM01MMB06  | Magnetic scale preventer MG3 in brass chrome-plated in/out port 1" M/M                            |
| AM01MMB07  | Magnetic scale preventer MG4 in brass chrome-plated in/out port 1¼" M/M                           |
| AM01MMB08  | Magnetic scale preventer MG5 in brass chrome-plated in/out port 1½" M/M                           |
| AM01MMB09  | Magnetic scale preventer MG6 in brass chrome-plated in/out port 2" M/M                            |
| AM06FL09   | Magnetic scale preventer MG7 in aluminium in/out port 2" flanged                                  |
| AM06FL09SS | Magnetic scale preventer MG7 in stainless steel A304 in/out port 2" flanged                       |
| AM07FL11   | Magnetic scale preventer MG8 in aluminium in/out port 3" flanged                                  |
| AM07FL11SS | Magnetic scale preventer MG8 in stainless steel A304 in/out port 3" flanged                       |
| AM08FL12   | Magnetic scale preventer MG9 in aluminium in/out port 4" flanged                                  |
| AM08FL12SS | Magnetic scale preventer MG9 in stainless steel A304 in/out port 4" flanged                       |



## POINT-OF-USE WATER DISPENSERS

DIRECT FLOW RO SYSTEMS - POINT-OF- USE WATER DISPENSERS FOR HOUSEHOLD AND OFFICES -  
PROFESSIONAL POINT-OF-USE WATER DISPENSERS FOR BARS AND RESTAURANTS - WATER DISPENSERS

## DIRECT FLOW RO SYSTEMS

### MYRA Osmo - RO DIRECT MYRA Osmo – Under-sink reverse osmosis system

MYRA OSMO is a direct flow reverse osmosis system, Made in Italy. It can be easily installed under the sink or under the kitchen plinth. Manufactured with components compliant with Italian Ministerial Decree D.M. 174/2004. The system is equipped with an LCD display and a dedicated cover for quick access to the filter compartment, making service operations and periodic maintenance simple and efficient.

#### CUSTOMIZATION

The front panel can be customized according to customer requirements. Standard cabinet color: black.

Dimensions: 41.7 × 9.5 × H 50.5 cm

Electronic control  
Nominal production at 25°C: 100-120 L/h  
Maximum operating pressure: 8 bar  
Operating pressure: min. 2 - max. 5 bar  
Filter replacement alarm  
Anti-flooding alarm with automatic shut-off in case of leaks  
Automatic membrane cleaning  
1-way/2-ways stainless steel faucet included in the price

#### AVAILABLE VERSIONS

MYRA OSMO 2 – Equipped with 2 membranes, it supplies room-temperature osmotized water.  
MYRA OSMO Soda – Equipped with a carbonator, it supplies room-temperature osmotized water, both still and lightly sparkling (available on request only).  
MYRA OSMO ALKA – Equipped with an alkaline post-filter, it supplies room-temperature osmotized water, still and remineralized (available on request only).

| Item-Nr:    | Description:                                                                                         |
|-------------|------------------------------------------------------------------------------------------------------|
| MOKAVK1B200 | Myra Osmo Alka direct reverse osmosis system with booster pump, 2 membranes and alkaline post-filter |
| MOLAVK1B200 | Myra Osmo direct reverse osmosis system with booster pump, 2 membranes                               |
| MOSAVK1B200 | Myra Osmo Soda direct reverse osmosis system with booster pump, 2 membranes and carbonator           |

### MYRA Osmo MINI - RO DIRECT MYRA MINI Osmo – Under-sink reverse osmosis system



MYRA OSMO MINI is a direct flow reverse osmosis system, Made in Italy. It can be easily installed under the sink or under the kitchen plinth. Manufactured with components compliant with Italian Ministerial Decree D.M. 174/2004. The system is equipped with an LCD display and a dedicated cover for quick access to the filter compartment, making service operations and periodic maintenance simple and efficient.

#### CUSTOMIZATION

The front panel can be customized according to customer requirements. Standard cabinet color: black.

Dimensions: 41.7 × 9.5 × H 36.5 cm

Electronic control  
Nominal production at 25°C: 100-120 L/h  
Maximum operating pressure: 8 bar  
Operating pressure: min. 2 - max. 5 bar  
Filter replacement alarm  
Anti-flooding alarm with automatic shut-off in case of leaks  
Automatic membrane cleaning  
Without pre-filtration (to be added separately)  
1-way stainless steel faucet included in the price

| Item-Nr:    | Description:                                                                                       |
|-------------|----------------------------------------------------------------------------------------------------|
| MOLAVK1B2FM | Myra Osmo MINI direct reverse osmosis system with booster pump, 2 membranes without pre-filtration |

## POINT-OF- USE WATER DISPENSERS FOR HOUSEHOLD AND OFFICES

### DAPHNE MINI Top

### DAPHNE MINI Top (Countertop) water dispenser : still water/cold water/sparkling water without pre-filtration

DAPHNE MINI is a water dispenser designed to be installed on any kitchen countertop. Manufactured with components compliant with Italian Ministerial Decree D.M. 174/2004, it features an extremely compact design. The unit is equipped with an LCD display and a dedicated cover for quick access to the filter compartment, making servicing and routine maintenance simple and convenient. It provides a continuous supply of room-temperature still water, chilled still water, and chilled sparkling water.

#### CUSTOMIZATION

The front panel can be customized according to customer requirements. Standard cabinet color: black.

Dimensions: 35 × 8 cm (dispensing area) × 19 × H 43 cm  
Weight: 23 kg

#### TECHNICAL FEATURES

Nominal production at 25°C: 100-120 L/h  
Maximum operating pressure: 8 bar  
Operating pressure: min. 2 - max. 5 bar  
Dry cooling system, hydraulic type, without forced ventilation  
1/8 HP compressor  
2.2 L saturator  
2 L sparkling water carbonator  
Pump: Booster 900 GPD Super High Performance  
Nominal water production at 25°C and 3.5 bar pressure: approx. 2 L/h  
Chilled water production: 20 L/h (inlet water temperature 22°C, outlet water temperature 10°C)  
Electronic temperature control Without pre-filtration (to be added separately)

#### ELECTRONIC CONTROL

Electronic control board  
Backlit display with soft-touch control buttons  
Filter replacement alarm  
Anti-flood alarm with automatic shut-off in case of leaks

| Item-Nr:    | Description:                                                                             |
|-------------|------------------------------------------------------------------------------------------|
| DVTAVK1B200 | Daphne Plain Top (Mini) ambient/chilled/sparkling water dispenser without pre-filtration |

### DAPHNE MINI Under

### DAPHNE MINI Under (Undercounter) water dispenser : still water/cold water/sparkling water without pre-filtration

DAPHNE MINI is a water dispenser designed to be installed under the kitchen sink. Manufactured with components compliant with Italian Ministerial Decree D.M. 174/2004, it features an extremely compact design. The unit is equipped with an LCD display and a dedicated cover for quick access to the filter compartment, making servicing and routine maintenance simple and convenient. It provides a continuous supply of room-temperature still water, chilled still water, and chilled sparkling water.

#### CUSTOMIZATION

The front panel can be customized according to customer requirements. Standard cabinet color: black.

Dimensions: 35 × 19 × H 43 cm  
Weight: 23 kg

#### TECHNICAL FEATURES

Nominal production at 25°C: 100-120 L/h  
Maximum operating pressure: 8 bar  
Operating pressure: min. 2 - max. 5 bar  
Dry cooling system, hydraulic type, without forced ventilation  
1/8 HP compressor  
2.2 L saturator  
2 L sparkling water carbonator  
Pump: Booster 900 GPD Super High Performance  
Nominal water production at 25°C and 3.5 bar pressure: approx. 2 L/h  
Chilled water production: 20 L/h (inlet water temperature 22°C, outlet water temperature 10°C)  
Electronic temperature control Without pre-filtration (to be added separately)

#### ELECTRONIC CONTROL

Electronic control board  
Backlit display with soft-touch control buttons  
Filter replacement alarm  
Anti-flood alarm with automatic shut-off in case of leaks

| Item-Nr:    | Description:                                                                               |
|-------------|--------------------------------------------------------------------------------------------|
| DPUAVK1B00M | Daphne Plain Under (Mini) ambient/chilled/sparkling water dispenser without pre-filtration |

## DAPHNE - Base

## DAPHNE – Freestanding Office Water Cooler



DAPHNE is a freestanding office water dispenser featuring a practical side shelf for cups or accessories, as well as a convenient cabinet designed to house the CO<sub>2</sub> cylinder and any additional pre-filtration systems, keeping everything completely concealed.

### CUSTOMIZATION

The front panel can be customized according to customer requirements.

Standard cabinet color: black.

Dimensions: 41 × 20 × H 100 cm

Base: 42 cm

Drip tray: 15 cm

| Item-Nr:     | Description:                                   |
|--------------|------------------------------------------------|
| CLBKFRBKDT00 | Support cabinet for water dispenser Daphne Top |

## DAPHNE - Spare parts

## DAPHNE -Spare parts for dispensers



| Item-Nr: | Description:                             |
|----------|------------------------------------------|
| DZR      | DAPHNE - Spare parts - prices on request |

## PROFESSIONAL POINT-OF-USE WATER DISPENSERS FOR BARS AND RESTAURANTS

### GLACIER 50

**Professional water dispenser Soda "GLACIER 50" 50 l/h cold,plain room, sparkling water**



GLACIER 50 Under-counter/Countertop water cooler-carbonator

Compact professional water cooler-carbonator for bars, canteens and restaurants.

Equipped with ice bank technology for dispensing chilled still and sparkling water, with integrated carbonation system.

Made with materials compliant with MOCA regulations and Italian Ministerial Decree DM 174/04.

Main features:

Tank capacity: 9 lt

Chilled still and sparkling water production

Compressor: 1/8 HP

Power consumption: 230 W

Dimensions: 29x39x43 cm (under-counter) / 26x50x43 cm (countertop)

Water inlet pressure: 1-4 bar

Operating temperature: 5-35°C

| Item-Nr:       | Description:                                                                                                    |
|----------------|-----------------------------------------------------------------------------------------------------------------|
| GL3TAFRU050ICE | Glacier 50 Professional countertop water dispenser 50 l/h - w/water faucets, cool plain / cold sparkling / room |
| GL3UAFRU050ICE | Glacier 50 Professional cundercounter water dispenser for mechanical tap 50 l/h - w/water faucets, cool plain / |

### GLACIER 60

**Professional water dispenser Soda "GLACIER 60" 60 l/h cold,plain room, sparkling water**



GLACIER 60 Under-counter/Countertop water cooler-carbonator

Compact professional water cooler-carbonator for bars, canteens and restaurants.

Equipped with ice bank technology for dispensing chilled still and sparkling water, with integrated carbonation system.

Made with materials compliant with MOCA regulations and Italian Ministerial Decree DM 174/04.

Main features:

Tank capacity: 9 lt

Chilled still and sparkling water production

Water pump: 200 lt/h

Compressor: 4.5 cm<sup>3</sup> - 1/6 HP

Power consumption: 230 W

Dimensions: 29x39x43 cm (under-counter) / 26x50x43 cm (countertop)

Water inlet pressure: 1-4 bar

Operating temperature: 5-35°C

| Item-Nr:       | Description:                                                                                                    |
|----------------|-----------------------------------------------------------------------------------------------------------------|
| GL3TAFRU060ICE | Glacier 60 Professional countertop water dispenser 60 l/h - w/water faucets, cool plain / cold sparkling / room |



GL3UAFRU060ICE

Glacier 60 Professional cundercounter water dispenser for mechanical tap 60 l/h - w/water faucets, cool plain /

## GLACIER 90

**Professional water dispenser Soda "GLACIER 90" 90 l/h cold,plain room, sparkling water**



GLACIER 90 Under-counter/Countertop water cooler-carbonator

Compact professional water cooler-carbonator for bars, canteens and restaurants.

Equipped with ice bank technology for dispensing chilled still and sparkling water, with integrated carbonation system.

Made with materials compliant with MOCA regulations and Italian Ministerial Decree DM 174/04.

Main features:

Tank capacity: 16 lt

Chilled still and sparkling water production

Compressor: 5.7 cm<sup>3</sup> - 1/5 HP

Power consumption: 350 W

Dimensions: 35x41.5x41.5 cm (under-counter) / 35x53.5x41.5 cm (countertop)

Water inlet pressure: 1-4 bar

Operating temperature: 5-35°C

Item-Nr:

Description:

GL3TAFRU090ICE

Glacier 90 Professional countertop water dispenser 90 l/h - w/water faucets, cool plain / cold sparkling / room

GL3UAFRU090ICE

Glacier 90 Professional cundercounter water dispenser for mechanical tap 90 l/h - w/water faucets, cool plain /

## GLACIER 120

**Professional water dispenser Soda "GLACIER 120" 120 l/h cold,plain room, sparkling water**



GLACIER 120 Under-counter/Countertop water cooler-carbonator

Compact professional water cooler-carbonator for bars, canteens and restaurants.

Equipped with ice bank technology for dispensing chilled still and sparkling water, with integrated carbonation system.

Made with materials compliant with MOCA regulations and Italian Ministerial Decree DM 174/04.

Main features:

Tank capacity: 25 lt

Chilled still and sparkling water production

Compressor: 9 cm<sup>3</sup> - 1/4 HP

Power consumption: 350 W

Dimensions: 36x50x43 cm (under-counter) / 36x66x51 cm (countertop)

Water inlet pressure: 1-4 bar

Operating temperature: 2-40°C

Item-Nr:

Description:

GL3TAFRU120ICE

Glacier 120 Professional countertop water dispenser 120 l/h - w/water faucets, cool plain / cold sparkling / room

GL3UAFRU120ICE

Glacier 120 Professional cundercounter water dispenser for mechanical tap 120 l/h - w/water faucets, cool plain /

## GLACIER 150

**Professional water dispenser Soda "GLACIER 150" 150 l/h cold,plain room, sparkling water**



GLACIER 150 Under-counter/Countertop water cooler-carbonator

Compact professional water cooler-carbonator for bars, canteens and restaurants.

Equipped with ice bank technology for dispensing chilled still and sparkling water, with integrated carbonation system.

Made with materials compliant with MOCA regulations and Italian Ministerial Decree DM 174/04.

Main features:

Tank capacity: 20 lt

Chilled still and sparkling water production

Compressor: 7.6 cm<sup>3</sup> - 1/4 HP

Power consumption: 350 W

Dimensions: 36x50x43 cm (under-counter) / 36x66x51 cm (countertop)

Water inlet pressure: 1-4 bar

Operating temperature: 2-40°C

| Item-Nr:       | Description:                                                                                                      |
|----------------|-------------------------------------------------------------------------------------------------------------------|
| GL3TAFRU150ICE | Glacier 150 Professional countertop water dispenser 150 l/h - w/water faucets, cool plain / cold sparkling / room |
| GL3UAFRU150ICE | Glacier 150 Professional cundercounter water dispenser for mechanical tap 150 l/h - w/water faucets, cool plain / |



## WATER DISPENSERS

### ELECTRA

### Water dispensers ELECTRA Series hot/cold/ambience



Water dispenser with three buttons for dispensing hot, cold and room temperature water.

Functions:

- Hot water
- Cold water
- Room temperature water

Power supply: AC 220 V / 50 Hz

Dimensions: 34.5x36.5x102.5 cm

Package dimensions: 35.5x37.5x113.5 cm

Net weight: 20.5 kg

Gross weight: 22.5 kg

Hot water features

- Tank volume: 1.5 L
- Power consumption: 500 W
- Temperature:  $89 \pm 3$  °C
- Temperature control: Bimetal thermostat
- Heating system: Internal heater

Cold water features

- Tank volume: 4 L
- Power consumption: 85 W
- Temperature:  $6 \pm 4$  °C
- Temperature control: Thermostat (6 °C)
- Refrigerant: R600a

| Item-Nr:     | Description:                                                                                            |
|--------------|---------------------------------------------------------------------------------------------------------|
| WCACH01BW    | Glass holder for water cooler ELECTRA Series                                                            |
| WCAEL01FCPOU | Electra refrigerated water dispenser with provision for filters/reverse osmosis/ultrafiltration systems |



## FAUCETS FOR DOMESTIC AND PROFESSIONAL WATER DISPENSERS

1-WAY FAUCETS - 2-WAYS FAUCETS - 3-WAY FAUCETS FOR SODA WATER DISPENSERS - 3-WAY MIXERS - 4-WAY MIXERS - 5-WAY MIXERS - COLUMN TAPS FOR PROFESSIONAL WATER DISPENSERS - MIXER ACCESSORIES

## 1-WAY FAUCETS

### RO FAUCET - SD 1 CR

#### Faucets Standard Series



| Item-Nr:     | Description:                                                               |
|--------------|----------------------------------------------------------------------------|
| ROFT01STCP00 | Standard single-way faucet in chrome-plated brass with black plastic lever |

### RO FAUCET - ZT 1 SS

#### Faucets ZT SS Series 1 way - stainless steel



| Item-Nr:         | Description:                                                                              |
|------------------|-------------------------------------------------------------------------------------------|
| R1X04ZTHICCC08   | ZT single-way faucet in stainless steel with 1/4" quick stem connection – stainless steel |
| R1X04ZTHICCC08BL | ZT single-way faucet in stainless steel with 1/4" quick stem connection – black           |
| R1X04ZTHICCC08CO | ZT single-way faucet in stainless steel with 1/4" quick stem connection – copper          |
| R1X04ZTHICCC08GO | ZT single-way faucet in stainless steel with 1/4" quick stem connection – gold            |
| R1X04ZTHICCC08WH | ZT single-way faucet in stainless steel with 1/4" quick stem connection – white           |
| R1X04ZTHICCF08   | ZT single-way faucet in stainless steel with 7/16" threaded connection – stainless steel  |
| R1X05ZTHICCC08   | ZT single-way faucet in stainless steel with 1/4" quick stem connection – chrome-plated   |
| R1X05ZTHICCF08   | ZT single-way faucet in stainless steel with 7/16" threaded connection – chrome-plated    |
| ROSF01FAUCET     | Single plastic bracket for faucets                                                        |

**RO FAUCET - ZT 1 CR**
**Faucets ZT Series 1 way chrome-plated - crown style handle**

**Item-Nr:**
**Description:**

R1C03ZTSRCC0ST

ZT single-way faucet in chrome-plated brass with crown lever

**RO FAUCET - ZT 1 SS FD**
**Faucets ZT SS Series 1 way - stainless steel - fold-down**

**Item-Nr:**
**Description:**

R1X04ZTAICCC08

ZT fold-down single-way faucet in stainless steel with 1/4" quick stem connection – stainless steel

## 2-WAYS FAUCETS

### RO FAUCET - ZT 2 SS

Faucets ZT SS Series 2 ways - stainless steel



| Item-Nr:         | Description:                                                                            |
|------------------|-----------------------------------------------------------------------------------------|
| R2X04ZTHICCC08   | ZT two-way faucet in stainless steel with 1/4" quick stem connection – stainless steel  |
| R2X04ZTHICCC08BL | ZT two-way faucet in stainless steel with 1/4" quick stem connection – black            |
| R2X04ZTHICCC08CO | ZT two-way faucet in stainless steel with 1/4" quick stem connection – copper           |
| R2X04ZTHICCC08GO | ZT two-way faucet in stainless steel with 1/4" quick stem connection – gold             |
| R2X04ZTHICCC08WH | ZT two-way faucet in stainless steel with 1/4" quick stem connection – white            |
| R2X04ZTHICCF08   | ZT two-way faucet in stainless steel with 7/16" M threaded connection – stainless steel |
| R2X05ZTHICCC08   | ZT two-way faucet in stainless steel with 1/4" quick stem connection – chrome-plated    |
| R2X05ZTHICCF08   | ZT two-way faucet in stainless steel with 7/16" M threaded connection – chrome-plated   |

### RO FAUCET - ZT 2 SS FD

Faucets ZT SS Series 2 ways - stainless steel - fold-down



| Item-Nr:       | Description:                                                                                     |
|----------------|--------------------------------------------------------------------------------------------------|
| R2X04ZTAICCC08 | ZT fold-down two-way faucet in stainless steel with 1/4" quick stem connection – stainless steel |

## 3-WAY FAUCETS FOR SODA WATER DISPENSERS

### RO FAUCET - WT2 Series Stainless steel

3-way dispensing faucet in stainless steel for ambient/cold/sparkling water WT2



In AISI304 stainless steel.

Items marked with \* are not stocked (made to order only).

Supplied with connection: quick fitting for 1/4" tube.

| Item-Nr:     | Description:                                                                |
|--------------|-----------------------------------------------------------------------------|
| ROFWT02S3ACR | WT2 3-way faucet for water carbonators in stainless steel – chrome-plated   |
| ROFWT02S3BBN | WT2 3-way faucet for water carbonators in stainless steel – stainless steel |
| ROFWT02S3CBL | WT2 3-way faucet for water carbonators in stainless steel – black           |
| ROFWT02S3CGO | WT2 3-way faucet for water carbonators in stainless steel – gold *          |
| ROFWT02S3CWH | WT2 3-way faucet for water carbonators in stainless steel – white           |

### RO FAUCET - WT3 Series Stainless steel

3-way dispensing faucet in stainless steel for ambient/cold/sparkling water WT3



In AISI304 stainless steel.

Items marked with \* are not stocked (made to order only).

Supplied with connection: quick fitting for 1/4" tube.

| Item-Nr:     | Description:                                                                |
|--------------|-----------------------------------------------------------------------------|
| ROFWT03S3ACR | WT3 3-way faucet for water carbonators in stainless steel – chrome-plated   |
| ROFWT03S3BBN | WT3 3-way faucet for water carbonators in stainless steel – stainless steel |
| ROFWT03S3CBL | WT3 3-way faucet for water carbonators in stainless steel – black           |
| ROFWT03S3CFG | WT3 3-way faucet for water carbonators in stainless steel – fragranite      |
| ROFWT03S3CWH | WT3 3-way faucet for water carbonators in stainless steel – white *         |

**RO FAUCET - TZ3 Series**
**Special 3-way faucet in chrome-plated brass with NSF stainless steel spout**


| Item-Nr:       | Description:                                                                    |
|----------------|---------------------------------------------------------------------------------|
| R3GOCEYHMCCQ08 | TZ3 – 3-way faucet for water dispensers still-cold-sparkling quick connection   |
| R3GOCEYHMCCT08 | TZ3 – 3-way faucet for water dispensers still-cold-sparkling with 1/4" PE tubes |

## 3-WAY MIXERS

### WT MIX - 3WT1

### 3-Way Mixers 3WT1 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                     |
|--------------|--------------------------------------------------|
| MS3WT01V2ACR | 3WT1 3-way mixer separate waters – chrome-plated |
| MS3WT01V2BBN | 3WT1 3-way mixer separate waters – satin finish  |
| MS3WT01V2CAV | 3WT1 3-way mixer separate waters – ivory         |
| MS3WT01V2CBL | 3WT1 3-way mixer separate waters – matte black   |
| MS3WT01V2CBR | 3WT1 3-way mixer separate waters – bronze        |
| MS3WT01V2CWH | 3WT1 3-way mixer separate waters – white         |

### WT MIX - 3WT17

### 3-Way Mixers 3WT17 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                      |
|--------------|---------------------------------------------------|
| MS3WT17V1ACR | 3WT17 3-way mixer separate waters – chrome-plated |
| MS3WT17V1BBN | 3WT17 3-way mixer separate waters – satin finish  |
| MS3WT17V1CBL | 3WT17 3-way mixer separate waters – matte black   |
| MS3WT17V1CFG | 3WT17 3-way mixer separate waters – fragranite    |
| MS3WT17V1CWH | 3WT17 3-way mixer separate waters – white *       |



## WT MIX - 3WT9

## 3-Way Mixers 3WT9 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                     |
|--------------|--------------------------------------------------|
| MS3WT09V2ACR | 3WT9 3-way mixer separate waters – chrome-plated |
| MS3WT09V2BBN | 3WT9 3-way mixer separate waters – satin finish  |
| MS3WT09V2CBL | 3WT9 3-way mixer separate waters – matte black   |
| MS3WT09V2CWH | 3WT9 3-way mixer separate waters – white         |

## WT MIX - 3WT4

## 3-Way Mixers 3WT4 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                     |
|--------------|--------------------------------------------------|
| MS3WT04V2ACR | 3WT4 3-way mixer separate waters – chrome-plated |

## WT MIX - 3WT6

## 3-Way Mixers 3WT6 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                     |
|--------------|--------------------------------------------------|
| MS3WT06V2ACR | 3WT6 3-way mixer separate waters – chrome-plated |
| MS3WT06V2CBL | 3WT6 3-way mixer separate waters – matte black   |
| MS3WT06V2CBR | 3WT6 3-way mixer separate waters – bronze        |
| MS3WT06V2CWH | 3WT6 3-way mixer separate waters – white         |

## WT MIX - 3WT14

## Fold-down 3-Way Mixers 3WT14 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water). Version with foldable neck

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                                |
|--------------|-------------------------------------------------------------|
| MS3WT14V2ACR | 3WT14 fold-down 3-way mixer separate waters – chrome-plated |
| MS3WT14V2CBL | 3WT14 fold-down 3-way mixer separate waters – black         |

**WT MIX - 3WT14 inox**
**Fold-down 3-Way Mixers 3WT14 Series - Stainless steel**


Kitchen 3-way faucet (kitchen waters + third way for purified water). Version Items marked with \* are not in stock (made to order only) with foldable neck

| Item-Nr:     | Description:                                                                  |
|--------------|-------------------------------------------------------------------------------|
| MS3WT14V2XBL | 3WT14 fold-down 3-way mixer separate waters – Stainless steel - black         |
| MS3WT14V2XCR | 3WT14 fold-down 3-way mixer separate waters – Stainless steel - chrome-plated |

**WT MIX - 3WT13**
**3-Way Mixers 3WT13 Series**


Kitchen 3-way faucet (kitchen waters + third way for purified water)

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                      |
|--------------|---------------------------------------------------|
| MS3WT13V1ACR | 3WT13 3-way mixer separate waters – chrome-plated |

## WT MIX - 3WT41

## 3-Way Mixers Pull-out spray head 3WT41 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                                                       |
|--------------|------------------------------------------------------------------------------------|
| MS3WT41V4ACR | 3-way mixers with pull-out spray head separate waters 3WT41 series – chrome-plated |
| MS3WT41V4CBL | 3-way mixers with pull-out spray head separate waters 3WT41 series – black         |

## WT MIX - 3WT46

## 3-Way Mixers Pull-out spray head 3WT46 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                                                       |
|--------------|------------------------------------------------------------------------------------|
| MS3WT46V4ACR | 3-way mixers with pull-out spray head separate waters 3WT46 series – chrome-plated |
| MS3WT46V4CBL | 3-way mixers with pull-out spray head separate waters 3WT46 series – black         |

**WT MIX Doccetta - 3WT39      3-Way Mixers 3WT39 Pull-out Series**


Kitchen Faucet 3-way (kitchen waters + third way for purified water) with pull-out shower hose with separate outputs. For maximum functionality and flexibility.

Items marked with \* are not in stock (made to order only).

| Item-Nr:     | Description:                                                              |
|--------------|---------------------------------------------------------------------------|
| MS3WT39V2ACR | 3-way mixers with spray head separate waters 3WT39 series – chrome-plated |
| MS3WT39V2BBN | 3-way mixers with spray head separate waters 3WT39 series – satin finish  |
| MS3WT39V2CBL | 3-way mixers with spray head separate waters 3WT39 series – matte black   |

## 4-WAY MIXERS

### WT MIX - 4WT1

### 4-Way Mixers 4WT1 Series



4-way kitchen mixer (kitchen water + third and fourth lines for purified water) Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                     |
|--------------|--------------------------------------------------|
| MS4WT01V3ACR | 4WT1 4-way mixer separate waters – chrome-plated |
| MS4WT01V3CBL | 4WT1 4-way mixer separate waters – black         |

### WT MIX - 4WT6

### 4-Way Mixers 4WT6 Series



4-way kitchen mixer (kitchen water + third and fourth lines for purified water) Items marked with \* are not in stock (made to order only)

| Item-Nr:     | Description:                                     |
|--------------|--------------------------------------------------|
| MS4WT06V3ACR | 4WT6 4-way mixer separate waters – chrome-plated |
| MS4WT06V3CBL | 4WT6 4-way mixer separate waters – black         |

## 5-WAY MIXERS

### WT MIX - 5WT2 5-way

### 5-Way Mixers 5WT2 Series



5 way kitchen faucet (kitchen water + 3 ways for room/cold/sparkling water) Items marked with \* are not stocked (made to order only) with separated outlets

| Item-Nr:     | Description:                                     |
|--------------|--------------------------------------------------|
| MS5WT02V3ACR | 5WT2 5-way mixer separate waters – chrome-plated |
| MS5WT02V3BBN | 5WT2 5-way mixer separate waters – satin finish  |
| MS5WT02V3CBL | 5WT2 5-way mixer separate waters – matte black   |
| MS5WT02V3CFG | 5WT2 5-way mixer separate waters – fragranite    |
| MS5WT02V3CWH | 5WT2 5-way mixer separate waters – white         |

### WT MIX - 5WT1 5-way

### 5-Way Mixers 5WT1 Series



5 way kitchen faucet (kitchen water + 3 ways for room/cold/sparkling water) Items marked with \* are not stocked (made to order only) with separated outlets

| Item-Nr:     | Description:                                      |
|--------------|---------------------------------------------------|
| MS5WT01V3ACR | 5WT1 5-way mixer separate waters – chrome-plated  |
| MS5WT01V3BBN | 5WT1 5-way mixer separate waters – satin finish * |
| MS5WT01V3CBL | 5WT1 5-way mixer separate waters – matte black *  |
| MS5WT01V3CWH | 5WT1 5-way mixer separate waters – white          |

## WT MIX - 5WT13

## 5-Way Mixers 5WT13 Series



5 way kitchen faucet (kitchen water + 3 ways for room/cold/sparkling water) Items marked with \* are not in stock (made to order only) with separated outlets

| Item-Nr:     | Description:                                      |
|--------------|---------------------------------------------------|
| MS5WT13V3ACR | 5WT13 5-way mixer separate waters – chrome-plated |

## WT MIX Doccetta - 5WT39

## 5-Way Mixers 5WT39 Pull-out Series



5 way kitchen faucet (kitchen water + 3 ways for room/cold/sparkling water) Items marked with \* are not stocked (made to order only). with separated outlets

| Item-Nr:     | Description:                                                      |
|--------------|-------------------------------------------------------------------|
| MS5WT39V3ACR | 5WT39 5-way mixer with spray head separate waters – chrome-plated |
| MS5WT39V3BBN | 5WT39 5-way mixer with spray head separate waters – satin finish  |
| MS5WT39V3CBL | 5WT39 5-way mixer with spray head separate waters – matte black   |



## WT MIX - ACC

## WT mixer accessories



| Item-Nr: | Description: |
|----------|--------------|
|----------|--------------|

|                    |                                              |
|--------------------|----------------------------------------------|
| MSA-WTCARTCEN3WT14 | Central replacement cartridge (single) 3WT14 |
|--------------------|----------------------------------------------|



|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| MSA-WTCARTFIL3WT1 | Brass replacement valve core for filtered water 3WT1-3WT6 |
|-------------------|-----------------------------------------------------------|



|                    |                                                       |
|--------------------|-------------------------------------------------------|
| MSA-WTCARTFIL3WT17 | Brass replacement valve core for filtered water 3WT17 |
|--------------------|-------------------------------------------------------|



|                   |                                                                |
|-------------------|----------------------------------------------------------------|
| MSA-WTCARTFIL3WT2 | Brass replacement valve core for filtered water 3WT13-39-41-46 |
|-------------------|----------------------------------------------------------------|



|                   |                                                      |
|-------------------|------------------------------------------------------|
| MSA-WTCARTFIL3WT4 | Brass replacement valve core for filtered water 3WT4 |
|-------------------|------------------------------------------------------|



|                   |                                                      |
|-------------------|------------------------------------------------------|
| MSA-WTCARTFIL3WT9 | Brass replacement valve core for filtered water 3WT9 |
|-------------------|------------------------------------------------------|



|                    |                                                    |
|--------------------|----------------------------------------------------|
| MSA-WTCARTFIL4WT16 | Replacement cartridge for filtered water 4WT1-4WT6 |
|--------------------|----------------------------------------------------|



MSA-WTCARTRET3WT1 Replacement cartridge for mains water 3WT1-WT4-WT6 and 4WT1-4WT6



MSA-WTCARTRET3WT17 Replacement cartridge for mains water 3WT17



MSA-WTCARTRET5WT2 Replacement cartridge for mains water 3WT9-13-39-41-46 and 5WT1-2-13-39



MSA-WTFIX WT replacement connection – C-clamp fixing



MSA-WTMCON2 WT replacement connection – threaded fixing with screws



MSA-WTMCON3 5WT replacement connection – 3 pcs tube connection



MSA-WTMFLEXCV46 Short black replacement flexible hose connection to white fitting 3WT46



MSA-WTMFLEX46 Long black replacement flexible hose for pull-out spout 3WT46-41



MSA-WTMLEVACR3 Short replacement lever for hot/cold water 3WT39 and 5WT1-2-39 – chrome-plated



MSA-WTMRCC34WT Short lever replacement handle for hot/cold water 3WT1-6-14 and 4WT1-6 – chrome-plated

MSA-WTMRG35V46 Chrome replacement aerator with button 3WT46



MSA-WTMRG3V41 Plastic replacement aerator for mains and filtered water 3WT41-14-6 and 4WT6



MSA-WTMRGP35V39 Chrome replacement aerator with button 3WT39



MSA-WTMRGP3V1 Plastic replacement aerator for filtered water 3WT1 and 4WT1



MSA-WTMRGP3V17 Chrome replacement filtered water aerator 3WT17 and 5WT2



MSA-WTMRGP3V9 Plastic replacement aerator for filtered water 3WT9



MSA-WTMRGP5V1 Plastic replacement aerator for mains and filtered water 5WT1



MSA-WTMRGR3V1 Chrome replacement mains water aerator 3WT1-4-17-9 and 4WT1 and 5WT2



MSA-WTMRRG41 Chrome replacement aerator with button 3WT41



MSA-WTRACOT3V1 Brass hose clamp replacement fitting for filtered water 3-way WT



MSA-WTRACOT5V1 Brass replacement fitting for cold water flexible hose 5-way WT



MSA-WTRACPL3V41 Plastic replacement fitting for flexible connections 3WT41-WT46



MSA-WTTF1FTFT Replacement flexible hose for WT mixers, female thread x female thread



MSA-WTTF2MF Replacement flexible hose for WT mixers, male thread x 3/8" female thread



MSA-WTTF2MTQC Replacement flexible hose for WT mixers, male thread x quick connector



## COLUMN TAPS FOR PROFESSIONAL WATER DISPENSERS

### Tap Dispensers Pro

Taps, 1-2-3 way columns and accessories for professional water dispensers - Made in Italy



| Item-Nr:   | Description:                                                                                           |
|------------|--------------------------------------------------------------------------------------------------------|
| CLSP1104AP | CL Chrome-plated brass faucet with comp. – High Press., 5/8"×35×Ø7 shank + Ø12×1 SS spout for STANDARD |
| CLS206BK2V | MINI Complete Column 2-way Ø30 h 38 cm powder-coated Black without taps                                |
| CLS206BK3V | MINI Complete Column 3-way Ø30 h 38 cm powder-coated Black without taps                                |
| CLS206CBK  | MINI Complete Column 1 Way Ø30 h 38 cm powder-coated Black without tap                                 |
| CLS206CR   | MINI Complete Column 3-way Ø30 h 38 cm polished chrome without taps                                    |
| CLS206CR   | MINI Complete Column 2-way Ø30 h 38 cm polished chrome without taps                                    |
| CLS206CR   | MINI Complete Column 1 Way Ø30 h 38 cm polished chrome without tap                                     |



CLS206SA MINI Complete 1-way column Ø30 h 38 cm satin finish without tap



CLS609C1 Swan 1-way column in polished chromed brass complete with recirculation without taps

CLS609C1BK Swan 1-way column in brass powder-coated black complete with recirculation without taps



CLS609C2 Swan 2-way column in polished chromed brass complete with recirculation without taps

CLS609C2BK Swan 2-way column in brass powder-coated black complete with recirculation without taps



CLS609C3 Swan 3-way column in polished chromed brass complete with recirculation without taps

CLS609C3BK Swan 3-way column in brass powder-coated black complete with recirculation without taps



CLSPI2065J56 CS AISI 316L SSI tap, base spout+compensator-SS sleeve 5/8"x35+JG 5/16" for MINI column



CLSPI2225J VS AISI 316L SSI tap, base spout+compensator-SS sleeve 5/8"x35+JG 5/16" for MINI column



CLSPI2425J NL AISI 316L SSI tap, base spout+compensator-SS sleeve 5/8"x35+JG 5/16" for MINI column



CLSPI91658J5BC NC AISI 316L SSI tap, base spout+compensator-SS sleeve 5/8"x35+JG 5/16" for MINI column



WTCLS206BK2VNC MINI Complete Column 2-way Ø30 h 38 cm powder-coated Black with NC tap



WTCLS206BK2VNL MINI Complete Column 2-way Ø30 h 38 cm powder-coated Black with NL tap

WTCLS206BK3VNC MINI Complete Column 3-way Ø30 h 38 cm powder-coated Black with NC tap

WTCLS206BK3VNL MINI Complete Column 3-way Ø30 h 38 cm powder-coated Black with NL tap

WTCLS206CBK1VNC MINI Complete Column 1 Way Ø30 h 38 cm powder-coated Black with NC tap

WTCLS206CBK1VNL MINI Complete Column 1 Way Ø30 h 38 cm powder-coated Black with NL tap

WTCLS206CR1VNC MINI Complete Column 1 Way Ø30 h 38 cm polished chrome with NC tap

WTCLS206CR1VNL MINI Complete Column 1 Way Ø30 h 38 cm polished chrome with NL tap

WTCLS206CR2VNC MINI Complete Column 2-way Ø30 h 38 cm polished chrome with NC tap

WTCLS206CR2VNL MINI Complete Column 2-way Ø30 h 38 cm polished chrome with NL tap

WTCLS206CR3VNC MINI Complete Column 3-way Ø30 h 38 cm polished chrome with NC tap

WTCLS206CR3VNL MINI Complete Column 3-way Ø30 h 38 cm polished chrome with NL tap

WTCLS206SA1VNL MINI Complete 1-way column Ø30 h 38 cm satin finish with NL tap





## PLASTIC FITTINGS AND PE HOSES

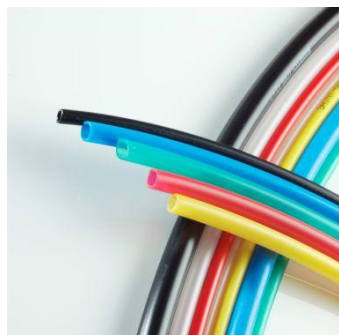
LLDPE HOSES FOODGRADE - LP SERIES - FITTINGS IM SERIES - FITTINGS JOHN GUEST SERIES



## LLDPE HOSES FOODGRADE - LP SERIES

### TUBE PELD (LLDPE)

Plastic tube in foodgrade LLDPE (low density)



Flexible tubing made of low-density polyethylene (LDPE), suitable for contact with food and beverages. Made in Italy. Featuring high resistance to chemical agents, excellent flexibility, and good impact resistance, these tubes provide a reliable solution for food processing, water treatment, and fluid distribution applications.

#### Key Features

Suitable for food contact applications (FCM - Food Contact Materials)  
High resistance to chemical agents  
Low water absorption  
Fully recyclable  
Operating temperature range: -20°C to +60°C

#### Regulatory Compliance

Regulation (EC) No. 1935/2004  
Regulation (EU) No. 10/2011 and subsequent amendments  
Italian Ministerial Decree of 21/03/1973 and subsequent amendments  
Italian Ministerial Decree No. 174 of 06/04/2004  
FDA 21 CFR 177.1520 - DIN 6653-1:2018-09  
Sensory and organoleptic testing according to ISO 4120:2021

Ideal for applications in the food and beverage industry, water treatment, and the distribution of compatible fluids. The use of fittings compatible with LDPE tubing is recommended. Deformation exceeding 15% may cause creep and reduce connection reliability.

| Item-Nr:     | Description:                                           |
|--------------|--------------------------------------------------------|
| TUPE1012N    | LLDPE Tube 10 x 12 mm foodgrade                        |
| TUPE1215N    | LLDPE Tube 12,5 x 15 mm foodgrade neutral              |
| TUPE435635BK | LLDPE Tube 1/4" (4,35x6,35 mm) foodgrade black         |
| TUPE435635LB | LLDPE Tube 1/4" (4,35x6,35 mm) foodgrade light blue    |
| TUPE435635N  | LLDPE Tube 1/4" (4,35x6,35 mm) foodgrade neutral       |
| TUPE435635WH | LLDPE Tube 1/4" (4,35x6,35 mm) foodgrade white         |
| TUPE474795LB | LLDPE Tube 5/16" (4,74 x 7,95 mm) foodgrade light blue |
| TUPE636954BL | LLDPE Tube 3/8" (6,36 x 9,54 mm) foodgrade black       |
| TUPE636954LB | LLDPE Tube 3/8" (6,36 x 9,54 mm) foodgrade light blue  |
| TUPE636954N  | LLDPE Tube 3/8" (6,36 x 9,54 mm) foodgrade neutral     |
| TUPE636954WH | LLDPE Tube 3/8" (6,36 x 9,54 mm) foodgrade white       |
| TUPE64BL     | LLDPE Tube 4 x 6 mm foodgrade black                    |
| TUPE64LB     | LLDPE Tube 4 x 6 mm foodgrade light blue               |
| TUPE64N      | LLDPE Tube 4 x 6 mm foodgrade light neutral            |
| TUPE64R      | LLDPE Tube 4 x 6 mm foodgrade red                      |
| TUPE64W      | LLDPE Tube 4 x 6 mm foodgrade white                    |
| TUPE68AZ     | LLDPE Tube 6 x 8 mm foodgrade light blue               |
| TUPE68B      | LLDPE Tube 6x8 mm foodgrade blue                       |
| TUPE68BK     | LLDPE Tube 6 x 8 mm foodgrade black                    |
| TUPE68N      | LLDPE Tube 6 x 8 mm foodgrade neutral                  |
| TUPE810B     | LLDPE Tube 8 x10 mm foodgrade blue                     |
| TUPE810N     | LLDPE Tube 8 x 10 mm foodgrade neutral                 |
| TUPE954127N  | LLDPE Tube 1/2" foodgrade (9,54x12,7 mm)               |

## FITTINGS IM SERIES

### QUICK FIT PP DM

Male union PP



| Item-Nr:   | Description:                                            |
|------------|---------------------------------------------------------|
| PPQDM0402W | Quick Fitting PP straight connector tube 1/4" male 1/8" |
| PPQDM0404W | Quick Fitting PP straight connector tube 1/4" male 1/4" |
| PPQDM1048W | Quick Fitting PP straight connector tube 1/4" male 1/2" |
| PPQDM1066W | Quick Fitting PP straight connector tube 3/8" male 3/8" |

### QUICK FIT PP IG

Elbow union PP



| Item-Nr:    | Description:                      |
|-------------|-----------------------------------|
| PPQIG04040W | Quick Fitting PP elbow union 1/4" |

## QUICK FIT PP IT

### T union PP



| Item-Nr:     | Description:                  |
|--------------|-------------------------------|
| PPQIT040404W | Quick Fitting PP Union T 1/4" |
| PPQITT70466W | Quick Fitting PP Union T 3/8" |

## QUICK FIT PP DAF

### Straight female adapter PP



| Item-Nr:     | Description:                                                    |
|--------------|-----------------------------------------------------------------|
| PPQDAF0404WW | Quick Fitting PP adapter tube 1/4" x 1/4" female NPTF no o-ring |
| PPQDAF2544W  | Quick Fitting PP adapter tube 1/4" x 7/16" female NPTF          |
| PPQDF1608W   | Quick Fitting PP adapter tube 1/4" x 3/4" female NPTF           |
| PPQDT12F08W  | Quick Fitting PP adapter tube 3/8" x 1/4" female NPTF           |

**QUICK FIT PP TMC**
**T union w/central male PP**


| Item-Nr:   | Description:                                                              |
|------------|---------------------------------------------------------------------------|
| PPQTM0404W | Quick Fitting PP Union T 1/4" with centrale male 1/4" tube 1/4" tube 1/4" |

**QUICK FIT PP TML**
**T union w/asimetric male PP**


| Item-Nr:    | Description:                                                     |
|-------------|------------------------------------------------------------------|
| PPQTML0404W | Quick Fitting PP Union T 1/4" with side male 1/4" tube 1/4" tube |

**QUICK FIT PP DT**
**Union connector PP**


| Item-Nr:   | Description:                                        |
|------------|-----------------------------------------------------|
| PPQDT0404W | Quick Fitting PP Union straight connector 1/4"      |
| PPQDT1566W | Quick Fitting PP Union straight connector 3/8" tube |

## QUICK FIT PP GC

## Tube elbow union PP



| Item-Nr:    | Description:                     |
|-------------|----------------------------------|
| PPQGC04040W | Quick Fitting PP Stem elbow 1/4" |
| PPQGC08080W | Quick Fitting PP Stem elbow 3/8" |

## QUICK FIT PP GTM

## Male elbow PP



| Item-Nr:    | Description:                               |
|-------------|--------------------------------------------|
| PPQGTM0404W | Quick Fitting PP elbow tube 1/4" male 1/4" |
| PPQGTM0406W | Quick Fitting PP elbow tube 1/4" male 3/8" |
| PPQGTM0606W | Quick Fitting PP elbow tube 3/8" male 3/8" |
| PPQGTM4064  | Quick Fitting PP elbow tube 3/8" male 1/4" |

## QUICK FIT PP PP

### Bulkhead union PP straight



| Item-Nr:   | Description:                                                             |
|------------|--------------------------------------------------------------------------|
| PPQPP0404W | Quick Fitting PP Bulhead union tube 1/4" tube 1/4" bulkhead fitting 3/8" |
| PPQPP0606W | Quick Fitting PP Bulhead union tube 3/8" tube 3/8"                       |

## QUICK FIT PP GF

### Elbow union tube-female PP



| Item-Nr:   | Description:                                        |
|------------|-----------------------------------------------------|
| PPQGF0404W | Quick Fitting PP elbow tube 1/4" x 1/4" female NPTF |

## QUICK FIT PP Y2V

### 2-way adapter PP



| Item-Nr:    | Description:                                           |
|-------------|--------------------------------------------------------|
| PPQY2V0404W | Quick Fitting PP Y adapter 2-way tube 1/4" x tube 1/4" |

## QUICK FIT PP JACO DIRITTO

PP straight Jaco fitting



| Item-Nr:   | Description:                                   |
|------------|------------------------------------------------|
| PPQDR0606J | Quick Fitting PP male 3/8" Jaco male 3/8" Jaco |

## QUICK FIT PP JACO GOMITO

PP elbow Jaco fitting



| Item-Nr:     | Description:                                                |
|--------------|-------------------------------------------------------------|
| PPQG04J042J  | Elbow quick Fitting PP tube 1/4" male 1/8" Jaco             |
| PPQG04J04M   | Elbow quick Fitting PP tube 1/4" male 1/4" with o-ring Jaco |
| PPQG04M042OJ | Elbow quick Fitting PP tube 1/4" male 1/8" with o-ring Jaco |
| PPQG06J06M   | Elbow quick Fitting PP male 3/8" Jaco male 3/8" Jaco        |

## FITTINGS JOHN GUEST SERIES

### JG LLDPE Tubing PM

### JG LLDPE Tubing PM



| Item-Nr:         | Description:                                 |
|------------------|----------------------------------------------|
| PE-04025-0100M-B | 4mm X 2,5mm LLDPE Tube - Blue- Coil 100m     |
| PE-04025-0100M-E | 4mm X 2,5mm LLDPE Tube - Black - Coil 100m   |
| PE-04025-0100M-N | 4mm X 2,5mm LLDPE Tube - Natural - Coil 100m |
| PE-04025-0100M-R | 4mm X 2,5mm LLDPE Tube - Red - Coil 100m     |
| PE-04025-0100M-W | 4mm X 2,5mm LLDPE Tube - White - Coil 100m   |
| PE-0604-0100M-B  | 6mm X 4mm LLDPE Tube - Blue - Coil 100m      |
| PE-0604-0100M-E  | 6mm X 4mm LLDPE Tube - Black - Coil 100m     |
| PE-0604-0100M-N  | 6mm X 4mm LLDPE Tube - Natural - Coil 100m   |
| PE-0604-0100M-R  | 6mm X 4mm LLDPE Tube - Red - Coil 100m       |
| PE-0604-0100M-W  | 6mm X 4mm LLDPE Tube - White - Coil 100m     |
| PE-0604-0100M-Y  | 6mm X 4mm LLDPE Tube - Yellow - Coil 100m    |
| PE-0806-100M-B   | 8mm X 6mm LLDPE Tube - Blue - Coil 100m      |
| PE-0806-100M-E   | 8mm X 6mm LLDPE Tube - Black - Coil 100m     |
| PE-0806-100M-G   | 8mm X 6mm LLDPE Tube - Green - Coil 100m     |
| PE-0806-100M-N   | 8mm X 6mm LLDPE Tube - Natural - Coil 100m   |
| PE-0806-100M-R   | 8mm X 6mm LLDPE Tube - Red - Coil 100m       |
| PE-0806-100M-W   | 8mm X 6mm LLDPE Tube - White - Coil 100m     |
| PE-1007-100M-B   | 10mm X 7mm LLDPE Tube - Blue - Coil 100m     |
| PE-1007-100M-E   | 10mm X 7mm LLDPE Tube - Black - Coil 100m    |
| PE-1007-100M-N   | 10mm X 7mm LLDPE Tube - Natural - Coil 100m  |
| PE-1007-100M-R   | 10mm X 7mm LLDPE Tube - Red - Coil 100m      |
| PE-1007-100M-W   | 10mm X 7mm LLDPE Tube - White - Coil 100m    |
| PE-1209-100M-B   | 12mm X 9mm LLDPE Tube - Blue - Coil 100m     |
| PE-1209-100M-E   | 12mm X 9mm LLDPE Tube - Black - Coil 100m    |
| PE-1209-100M-N   | 12mm X 9mm LLDPE Tube - Natural - Coil 100m  |
| PE-1209-100M-R   | 12mm X 9mm LLDPE Tube - Red - Coil 100m      |
| PE-1209-100M-Y   | 12mm LLDPE Tube - Yellow                     |



## JG LLDPE Tubing PI

## JG LLDPE Tubing PI



| Item-Nr:         | Description:                                     |
|------------------|--------------------------------------------------|
| PE-08-BI-0500F-B | 1/4" X 0.170" LLDPE Tube - Blue - Coil 152,4M    |
| PE-08-BI-0500F-E | F-E 1/4" X 0.170" LLDPE Tube - Black-Coil 152,4M |
| PE-08-BI-0500F-G | 1/4" X 0.170" LLDPE Tube - Green-Coil 152,4M     |
| PE-08-BI-0500F-N | 1/4" X 0.170" LLDPE Tube -Natural-Coil 152,4M    |
| PE-08-BI-0500F-O | 1/4" X 0.170" LLDPE Tube - Orange-Coil 152,4M    |
| PE-08-BI-0500F-R | 1/4" X 0.170" LLDPE Tube - Red-Coil 152,4M       |
| PE-08-BI-0500F-W | 1/4" X 0.170" LLDPE Tube - White-Coil 152,4M     |
| PE-08-BI-0500F-Y | 1/4" X 0.170" LLDPE Tube - Yellow-Coil 152,4M    |
| PE-10-CI-0500F-B | 5/16" X 0.187" LLDPE Tube - Blue-Coil 152,4M     |
| PE-10-CI-0500F-E | 5/16" X 0.187" LLDPE Tube - Black-Coil 152,4M    |
| PE-10-CI-0500F-N | 5/16" X 0.187" LLDPE Tube-Natural-Coil 152,4M    |
| PE-10-CI-0500F-R | 5/16" X 0.187" LLDPE Tube - Red-Coil 152,4M      |
| PE-10-CI-0500F-W | 5/16" X 0.187" LLDPE Tube - White-Coil 152,4M    |
| PE-12-EI-0500F-B | 3/8" X 0.25" LLDPE Tube - Blue - Coil 152,4M     |
| PE-12-EI-0500F-E | 3/8" X 0.25" LLDPE Tube - Black - Coil 152,4M    |
| PE-12-EI-0500F-G | 3/8" X 0.25" LLDPE Tube - Green-Coil 152,4M      |
| PE-12-EI-0500F-N | 3/8" X 0.25" LLDPE Tube-Natural- Coil 152,4M     |
| PE-12-EI-0500F-O | 3/8" X 0.25" LLDPE Tube - Orange-Coil 152,4M     |
| PE-12-EI-0500F-R | 3/8" X 0.25" LLDPE Tube - Red - Coil 152,4M      |
| PE-12-EI-0500F-W | 3/8" X 0.25" LLDPE Tube - White - Coil 152,4M    |
| PE-12-EI-0500F-Y | 3/8" X 0.25" LLDPE Tube - Yellow-Coil 152,4M     |
| PE-16-GI-0250F-B | 1/2" X 0.375" LLDPE Tube - Blue - Coil 76,2M     |
| PE-16-GI-0250F-E | 1/2" X 0.375" LLDPE Tube - Black - Coil 76,2M    |
| PE-16-GI-0250F-N | 1/2" X 0.375" LLDPE Tube - Natural-Coil 76,2M    |
| PE-16-GI-0250F-R | 1/2" X 0.375" LLDPE Tube - Red - Coil 76,2M      |
| PE-16-GI-0250F-W | 1/2" X 0.375" LLDPE Tube - White - Coil 76,2M    |

## JG Two-Way Divider PI

## JG Two-Way Divider PI



| Item-Nr: | Description:        |
|----------|---------------------|
| PI2308S  | 1/4" Equal Divider  |
| PI2312S  | 3/8" Equal Divider  |
| PI2316S  | 1/2" Equal Divider  |
| PM2308S  | 5/16" Equal Divider |

## JG U-Bend PI

## JG U-Bend PI



| Item-Nr: | Description:  |
|----------|---------------|
| PIUB12S  | 3/8" "U" Bend |

## JG Tube To Hose Stem PM

## JG Tube To Hose Stem PM



| Item-Nr:  | Description:               |
|-----------|----------------------------|
| PM250806E | 8mm - 6mm Tube - Hose Stem |

## JG Three Way Divider PI

## JG Three Way Divider PI



| Item-Nr:  | Description:                 |
|-----------|------------------------------|
| PI491612S | 3 Way Splitter : 1/2" - 3/8" |
| PI491616S | 1/2" 3 Way Divider           |

## JG Tap Adaptor UNS PI

## JG Tap Adaptor UNS PI



| Item-Nr:  | Description:                |
|-----------|-----------------------------|
| CI3208U7S | 1/4" X 7/16 Uns Tap Adaptor |

## JG Tap Adaptor BSP PI

## JG Tap Adaptor BSP PI



| Item-Nr:  | Description:               |
|-----------|----------------------------|
| CI320814S | 1/4" X 1/2 BSP Tap Adaptor |
| CI320816S | 1/4" X 3/4 BSP Tap Adaptor |
| CI321214S | 3/8" X 1/2 BSP Tap Adaptor |

CI321216S

3/8" X 3/4 BSP Tap Adaptor

## JG Tap Adaptor BSP FE PI JG Tap Adaptor BSP FE PI



| Item-Nr:   | Description:               |
|------------|----------------------------|
| CI320816FS | 1/4" X 3/4 BSP Tap Adaptor |
| CI321216FS | 3/8" X 3/4 BSP Tap Adaptor |

## JG Straight Adaptor NPTF PI JG Straight Adaptor NPTF PI



| Item-Nr:  | Description:                  |
|-----------|-------------------------------|
| PI010822S | 1/4" X 1/4 Nptf Str. Adaptor  |
| PI010823S | 1/4" X 3/8 Nptf Str. Adaptor  |
| PI011222S | 3/8" X 1/4 Nptf Str. Adaptor  |
| PI011223S | 3/8" X 3/8 Nptf Str. Adaptor  |
| PI011224S | 3/8" X 1/2 Nptf Str. Adaptor  |
| PI011623S | 1/2" X 3/8 Nptf Str. Adaptor  |
| PI011624S | 1/2" X 1/2 Nptf Str. Adaptor  |
| PM010421S | 5/32" x 1/8 Nptf Str. Adaptor |
| PM010821S | 5/16" x 1/8 Nptf Str. Adaptor |

## JG Straight Adaptor BSPT PM



| Item-Nr:  | Description:                   |
|-----------|--------------------------------|
| PM010401E | 4mm X 1/8 BSPT Str. Adaptor    |
| PM010402E | 4mm X 1/4 BSPT Str. Adaptor    |
| PM010601E | 6mm X 1/8 BSPT Str. Adaptor    |
| PM010602E | 6mm X 1/4 BSPT Str. Adaptor    |
| PM010801E | 8mm X 1/8 BSPT Str. Adaptor    |
| PM010802E | 8mm X 1/4 BSPT Str. Adaptor    |
| PM010803E | 8mm X 3/8 BSPT Str. Adaptor    |
| PM010804E | 8mm X 1/2 BSP Straight Adaptor |
| PM011002E | 10mm X 1/4 BSPT Str. Adaptor   |
| PM011003E | 10mm X 3/8 BSPT Str. Adaptor   |
| PM011004E | 10mm X 1/2 BSPT Str. Adaptor   |
| PM011203E | 12mm X 3/8 BSPT Str. Adaptor   |
| PM011204E | 12mm X 1/2 BSPT Str. Adaptor   |

## JG Straight Adaptor BSPT PI



| Item-Nr:  | Description:                  |
|-----------|-------------------------------|
| PI010801S | 1/4" X 1/8 BSPT Str. Adaptor  |
| PI010802S | 1/4" X 1/4 BSPT Str. Adaptor  |
| PI011202S | 3/8" X 1/4 BSPT Str. Adaptor  |
| PI011604S | 1/2" X 1/2 BSPT Str. Adaptor  |
| PM010802S | 5/16" x 1/4 BSPT Str. Adaptor |
| PM010803S | 5/16" x 3/8 BSPT Str. Adaptor |

## JG Straight Adaptor BSP PM

## JG Straight Adaptor BSP PM



| Item-Nr:  | Description:                |
|-----------|-----------------------------|
| PM010411E | 4mm X 1/8 BSP Str. Adaptor  |
| PM010611E | 6mm X 1/8 BSP Str. Adaptor  |
| PM010612E | 6mm X 1/4 BSP Str. Adaptor  |
| PM010811E | 8mm X 1/8 BSP Str. Adaptor  |
| PM010812E | 8mm X 1/4 BSP Str. Adaptor  |
| PM010813E | 8mm X 3/8 BSP Str. Adaptor  |
| PM011012E | 10mm X 1/4 BSP Str. Adaptor |
| PM011013E | 10mm X 3/8 BSP Str. Adaptor |
| PM011014E | 10mm X 1/2 BSP Str. Adaptor |
| PM011213E | 12mm X 3/8 BSP Str. Adaptor |
| PM011214E | 12mm X 1/2 BSP Str. Adaptor |

## JG Straight Adaptor BSP PI

## JG Straight Adaptor BSP PI



| Item-Nr:  | Description:                    |
|-----------|---------------------------------|
| PI010812S | 1/4" X 1/4 BSP Str. Adaptor     |
| PI011212S | 3/8" X 1/4 BSP Str. Adaptor     |
| PI011213S | 3/8" X 3/8 Straight Adaptor     |
| PI011613S | 1/2" X 3/8 BSP Straight Adaptor |

## JG Straight Adaptor BNT PI JG Straight Adaptor BNT PI



| Item-Nr:  | Description:                |
|-----------|-----------------------------|
| PI0112E5S | 3/8" X 1/2 BSW Str. Adaptor |

## JG Stem Elbow PM JG Stem Elbow PM



| Item-Nr:    | Description:                     |
|-------------|----------------------------------|
| PM220404E   | 4mm - 4mm Stem Elbow             |
| PM220606E   | 6mm - 6mm Stem Elbow             |
| PM220808E   | 8mm - 8mm Stem Elbow             |
| PM220808E-X | 8mm - 8mm Stem Elbow (Bulk Pack) |
| PM221010E   | 10mm - 10mm Stem Elbow           |
| PM221212E   | 12mm - 12mm Stem Elbow           |

## JG Stem Elbow PI

## JG Stem Elbow PI



| Item-Nr:  | Description:             |
|-----------|--------------------------|
| PI220808S | 1/4" - 1/4" Stem Elbow   |
| PI221208S | 3/8" - 1/4" Stem Elbow   |
| PI221210S | 3/8" - 5/16" Stem Elbow  |
| PI221212S | 3/8" - 3/8" Stem Elbow   |
| PI221616S | 1/2" - 1/2" Stem Elbow   |
| PM220808S | 5/16" - 5/16" Stem Elbow |

## JG Stem Adaptor NPTF PI

## JG Stem Adaptor NPTF PI



| Item-Nr:  | Description:                  |
|-----------|-------------------------------|
| PI050821S | 1/4" X 1/8 Nptf Stem Adaptor  |
| PI050822S | 1/4" X 1/4 Nptf Stem Adaptor  |
| PI050823S | 1/4" X 3/8 Nptf Stem Adaptor  |
| PI051222S | 3/8" X 1/4 Nptf Stem Adaptor  |
| PI051223S | 3/8" X 3/8 Nptf Stem Adaptor  |
| PI051623S | 1/2" X 3/8 Nptf Stem Adaptor  |
| PI051624S | 1/2" X 1/2 Nptf Stem Adaptor  |
| PM050821S | 5/16" x 1/8 Nptf Stem Adaptor |
| PM050822S | 5/16" x 1/4 Nptf Stem Adaptor |
| PM050823S | 5/16" x 3/8 Nptf Stem Adaptor |



## JG Stem Adaptor BSPT PM JG Stem Adaptor BSPT PM



| Item-Nr:  | Description:                 |
|-----------|------------------------------|
| PM050401E | 4mm X 1/8 BSPT Stem Adaptor  |
| PM050402E | 4mm X 1/4 BSPT Stem Adaptor  |
| PM050601E | 6mm X 1/8 BSPT Stem Adaptor  |
| PM050602E | 6mm X 1/4 BSPT Stem Adaptor  |
| PM050801E | 8mm X 1/8 BSPT Stem Adaptor  |
| PM050802E | 8mm X 1/4 BSPT Stem Adaptor  |
| PM050803E | 8mm X 3/8 BSPT Stem Adaptor  |
| PM051002E | 10mm X 1/4 BSPT Stem Adaptor |
| PM051003E | 10mm X 3/8 BSPT Stem Adaptor |
| PM051004E | 10mm X 1/2 BSPT Stem Adaptor |
| PM051203E | 12mm X 3/8 BSPT Stem Adaptor |
| PM051204E | 12mm X 1/2 BSPT Stem Adaptor |

## JG Stem Adaptor BSPT PI JG Stem Adaptor BSPT PI



| Item-Nr:  | Description:                  |
|-----------|-------------------------------|
| PI050801S | 1/4" X 1/8 BSPT Stem Adaptor  |
| PI050802S | 1/4" X 1/4 BSPT Stem Adaptor  |
| PI051202S | 3/8" X 1/4 BSPT Stem Adaptor  |
| PI051203S | 3/8" X 3/8 BSPT Stem Adaptor  |
| PI051603S | 1/2" X 3/8 BSPT Stem Adaptor  |
| PI051604S | 1/2" X 1/2 BSPT Stem Adaptor  |
| PM050801S | 5/16" x 1/8 BSPT Stem Adaptor |
| PM050802S | 5/16" x 1/4 BSPT Stem Adaptor |

PM050803S

5/16" x 3/8 BSPT Stem Adaptor

## JG Stem Adaptor BSP PM JG Stem Adaptor BSP PM



| Item-Nr:  | Description:                |
|-----------|-----------------------------|
| PM050411E | 4mm X 1/8 BSP Stem Adaptor  |
| PM050412E | 4mm X 1/4 BSP Stem Adaptor  |
| PM050611E | 6mm X 1/8 BSP Stem Adaptor  |
| PM050612E | 6mm X 1/4 BSP Stem Adaptor  |
| PM050811E | 8mm X 1/8 BSP Stem Adaptor  |
| PM050812E | 8mm X 1/4 BSP Stem Adaptor  |
| PM050813E | 8mm X 3/8 BSP Stem Adaptor  |
| PM051012E | 10mm X 1/4 BSP Stem Adaptor |
| PM051013E | 10mm X 3/8 BSP Stem Adaptor |
| PM051014E | 10mm X 1/2 BSP Stem Adaptor |
| PM051213E | 12mm X 3/8 BSP Stem Adaptor |
| PM051214E | 12mm X 1/2 BSP Stem Adaptor |

## JG Stem Adaptor BSP PI JG Stem Adaptor BSP PI



| Item-Nr:  | Description:                 |
|-----------|------------------------------|
| PI051213S | 3/8" X 3/8 BSP Stem Adaptor  |
| PM050812S | 5/16" x 1/4 BSP Stem Adaptor |

## JG Single Check Valve PM JG Single Check Valve PM



| Item-Nr: | Description:            |
|----------|-------------------------|
| 10SCV    | 10mm Single Check Valve |
| 12SCV    | 12mm Single Check Valve |
| 6SCV     | 6mm Single Check Valve  |

## JG Single Check Valve PI JG Single Check Valve PI



| Item-Nr: | Description:             |
|----------|--------------------------|
| 1/4SCV   | 1/4" Single Check Valve  |
| 3/8SCV   | 3/8" Single Check Valve  |
| 5/16SCV  | 5/16" Single Check Valve |

## JG Rigid Elbow PM

## JG Rigid Elbow PM



| Item-Nr:  | Description:                 |
|-----------|------------------------------|
| PM480621E | 6mm X 1/8 Nptf Elbow Adaptor |
| PM480622E | 6mm X 1/4 Nptf Elbow Adaptor |
| PM480623E | 6mm X 3/8 Nptf Elbow Adaptor |

## JG Rigid Elbow PI

## JG Rigid Elbow PI



| Item-Nr:  | Description:                   |
|-----------|--------------------------------|
| PI480821S | 1/4" X 1/8 Nptf Elbow Adaptor  |
| PI480822S | 1/4" X 1/4 Nptf Elbow Adaptor  |
| PI480823S | 1/4" X 3/8 Nptf Elbow Adaptor  |
| PI481022S | 5/16" X 1/4 Nptf Elbow Adaptor |
| PI481023S | 5/16" X 3/8 Nptf Elbow Adaptor |
| PI481222S | 3/8" X 1/4 Nptf Elbow Adaptor  |
| PI481223S | 3/8" X 3/8 Nptf Elbow Adaptor  |

## JG Reducing Tee PM

## JG Reducing Tee PM



| Item-Nr: | Description:             |
|----------|--------------------------|
| PM3006AE | 4mm-4mm-6mm Reducing Tee |

## JG Reducing Tee PI

## JG Reducing Tee PI



| Item-Nr:  | Description:           |
|-----------|------------------------|
| PI301208S | 3/8" - 3/8" - 1/4" Tee |
| PI301612S | 1/2" - 1/2" - 3/8" Tee |

## JG Reducing Straight Connector PM

## JG Reducing Straight Connector PM



| Item-Nr:  | Description:                 |
|-----------|------------------------------|
| PM200604E | 6mm - 4mm Straight Connector |
| PM200804E | 8mm - 4mm Straight Connector |
| PM200806E | 8mm - 6mm Straight Connector |

|           |                                |
|-----------|--------------------------------|
| PM201004E | 10mm - 4mm Straight Connector  |
| PM201006E | 10mm - 6mm Straight Connector  |
| PM201008E | 10mm - 8mm Straight Connector  |
| PM201208E | 12mm - 8mm Straight Connector  |
| PM201210E | 12mm - 10mm Straight Connector |

## JG Reducing Straight Connector PI

## JG Reducing Straight Connector PI



| Item-Nr:  | Description:                           |
|-----------|----------------------------------------|
| PI200806S | 1/4" - 3/16" Str. Connector            |
| PI201006S | 5/16"- 3/16" Str. Connector            |
| PI201008S | 5/16"- 1/4" Str. Connector             |
| PI201206S | 3/8" - 3/16" Str. Connector            |
| PI201208S | 3/8" - 1/4" Str. Connector             |
| PI201210S | 3/8" - 5/16" Str. Connector            |
| PI201608S | 1/2" - 1/4" Unequal Straight Connector |
| PI201610S | 1/2" - 5/16" Str. Connector            |
| PI201612S | 1/2" - 3/8" Str. Connector             |
| PM200804S | 5/16"- 5/32" Str. Connector            |

## JG Reducing Elbow PI

## JG Reducing Elbow PI



| Item-Nr:  | Description:                 |
|-----------|------------------------------|
| PI211006S | 5/16"- 3/16" Elbow Connector |
| PI211008S | 5/16"- 1/4" Elbow Connector  |
| PI211206S | 3/8" - 3/16" Elbow Connector |
| PI211208S | 3/8" - 1/4" Elbow Connector  |
| PI211210S | 3/8" - 5/16" Elbow Connector |

PI211610S 1/2" - 5/16" Elbow Connector

PI211612S 1/2" - 3/8" Elbow Connector

## JG Reducing Elbow PM

## JG Reducing Elbow PM



| Item-Nr:  | Description:                |
|-----------|-----------------------------|
| PM210604E | 6mm - 4mm Elbow Connector   |
| PM210804E | 8mm - 4mm Elbow Connector   |
| PM210806E | 8mm - 6mm Elbow Connector   |
| PM211004E | 10mm - 4mm Elbow Connector  |
| PM211006E | 10mm - 6mm Elbow Connector  |
| PM211008E | 10mm - 8mm Elbow Connector  |
| PM211208E | 12mm - 8mm Elbow Connector  |
| PM211210E | 12mm - 10mm Elbow Connector |

## JG Reducing Bulkhead Connector PI

## JG Reducing Bulkhead Connector PI



| Item-Nr:  | Description:                   |
|-----------|--------------------------------|
| NC2429    | 1/4" - 6mm Bulkhead Connector  |
| PI121208S | 3/8" - 1/4" Bulkhead Connector |

## JG Reducer PM

## JG Reducer PM



| Item-Nr:  | Description:        |
|-----------|---------------------|
| PM060604E | 6mm - 4mm Reducer   |
| PM060605E | 6mm - 5mm Reducer   |
| PM060804E | 8mm - 4mm Reducer   |
| PM060805E | 8mm - 5mm Reducer   |
| PM060806E | 8mm - 6mm Reducer   |
| PM061006E | 10mm - 6mm Reducer  |
| PM061008E | 10mm - 8mm Reducer  |
| PM061208E | 12mm - 8mm Reducer  |
| PM061210E | 12mm - 10mm Reducer |

## JG Reducer PI

## JG Reducer PI



| Item-Nr:  | Description:          |
|-----------|-----------------------|
| PI061006S | 5/16" - 3/16" Reducer |
| PI061008S | 5/16" - 1/4" Reducer  |
| PI061206S | 3/8" - 3/16" Reducer  |
| PI061208S | 3/8" - 1/4" Reducer   |
| PI061210S | 3/8" - 5/16" Reducer  |
| PI061610S | 1/2" - 5/16" Reducer  |
| PI061612S | 1/2" - 3/8" Reducer   |



## JG Plug PM

## JG Plug PM



| Item-Nr: | Description:      |
|----------|-------------------|
| PM0804R  | 4mm Plug - Red    |
| PM0805R  | 5mm Plug - Red    |
| PM0806R  | 6mm Plug - Red    |
| PM0808E  | 8mm Plug - Black  |
| PM0808R  | 8mm Plug - Red    |
| PM0810R  | 10mm Plug - Red   |
| PM0812R  | 12mm Plug - Red   |
| PM0815E  | 15mm Plug - Black |
| PM0822E  | 22mm Plug - Black |
| PM0828E  | 28mm Plug - Black |

## JG Plug PI

## JG Plug PI



| Item-Nr: | Description:      |
|----------|-------------------|
| PI0806S  | 3/16" Plug - Grey |
| PI0808S  | 1/4" Plug - Grey  |
| PI0812S  | 3/8" Plug - Grey  |
| PI0816S  | 1/2" Plug - Grey  |
| PM0804S  | 5/32" Plug - Grey |
| PM0808S  | 5/16" Plug - Grey |

## JG Pipe Cutter

## JG Pipe Cutter



| Item-Nr: | Description:                   |
|----------|--------------------------------|
| JG-TS    | Light Duty Plastic Pipe Cutter |
| TSNIP    | Tube Cutter                    |

## JG Locking Clip PM

## JG Locking Clip PM



| Item-Nr: | Description:            |
|----------|-------------------------|
| PM1804R  | 4mm Locking Clip        |
| PM1805R  | 5mm Locking Clip        |
| PM1806R  | 6mm Locking Clip        |
| PM1808R  | 8mm Locking Clip        |
| PM1810R  | 10mm Locking Clip       |
| PM1812R  | 12mm Locking Clip       |
| PMC1815R | 15mm Locking Clip - Red |

## JG Locking Clip PI

## JG Locking Clip PI



| Item-Nr: | Description:            |
|----------|-------------------------|
| PIC1808R | 1/4" Locking Clip - Red |
| PIC1812R | 3/8" Locking Clip - Red |
| PIC1816R | 1/2" Locking Clip - Red |
| PMC1808R | 5/16" Locking Clip      |

## JG Flow Bend Clip PI

## JG Flow Bend Clip PI



| Item-Nr: | Description:               |
|----------|----------------------------|
| PM2608S  | 5/16" Flow Bend Clip       |
| PM2610S  | 3/8" Flow Bend Clip        |
| PM2612S  | 12mm - 1/2" Flow Bend Clip |

## JG Female Adaptor UNS PI JG Female Adaptor UNS PI



| Item-Nr:  | Description:                   |
|-----------|--------------------------------|
| PI4512C5S | 3/8" X 1/2" Un Female Adaptor  |
| PI4516C5S | 1/2" X 1/2" Uns Female Adaptor |
| PM4508C5S | 5/16" x 1/2" Un Female Adaptor |

## JG Female Adaptor PM JG Female Adaptor PM



| Item-Nr:   | Description:                  |
|------------|-------------------------------|
| PM450411E  | 4mm X 1/8 BSP Female Adaptor  |
| PM450611E  | 6mm X 1/8 BSP Female Adaptor  |
| PM450612E  | 6mm X 1/4 BSP Female Adaptor  |
| PM450812E  | 8mm X 1/4 BSP Female Adaptor  |
| PM450813E  | 8mm X 3/8 BSP Female Adaptor  |
| PM451015FE | 10mm X 5/8 BSP Female Adaptor |
| PM451215FE | 12mm X 5/8 BSP Female Adaptor |

## JG Female Adaptor NPTF PI JG Female Adaptor NPTF PI



| Item-Nr:  | Description:                   |
|-----------|--------------------------------|
| PI450822S | 1/4" X 1/4 Nptf Female Adaptor |
| PI451222S | 3/8" X 1/4 Nptf Female Adaptor |

## JG Female Adaptor BSP FE JG Female Adaptor BSP flat end PI PI



| Item-Nr:   | Description:                   |
|------------|--------------------------------|
| PI451014FS | 5/16" x 1/2 BSP Female Adaptor |
| PI451015FS | 5/16" x 5/8 BSP Female Adaptor |
| PI451213S  | 3/8" X 3/8 BSP Female Adaptor  |
| PI451214FS | 3/8" X 1/2 BSP Female Adaptor  |
| PI451215FS | 3/8" X 5/8 BSP Female Adaptor  |
| PI451613S  | 1/2" X 3/8 BSP Female Adaptor  |
| PI451615FS | 1/2" X 5/8 BSP Female Adaptor  |

## JG Female Adaptor BSP CE PI

## JG Female Adaptor BSP cone end PI



| Item-Nr:   | Description:                   |
|------------|--------------------------------|
| PI451014CS | 5/16" x 1/2 BSP Female Adaptor |
| PI451015CS | 5/16" x 5/8 BSP Female Adaptor |
| PI451214CS | 3/8" X 1/2 BSP Female Adaptor  |
| PI451215CS | 3/8" X 5/8 BSP Female Adaptor  |
| PI451614CS | 1/2" X 1/2 BSP Female Adaptor  |
| PI451615CS | 1/2" X 5/8 BSP Female Adaptor  |
| PI451616CS | 1/2" X 3/4 BSP Female Adaptor  |

## JG Female Adaptor FFL PI JG Female Adaptor FFL PI



| Item-Nr:  | Description:                   |
|-----------|--------------------------------|
| PI4512F4S | 3/8" X 1/4 Ffl Female Adaptor  |
| PI4512F6S | 3/8" X 3/8 Ffl Female Adaptor  |
| PM4508F4S | 5/16" x 1/4 Ffl Female Adaptor |

## JG Equal Tee PM

## JG Equal Tee PM



| Item-Nr: | Description:             |
|----------|--------------------------|
| PM0204E  | 4mm Equal Tee Connector  |
| PM0205E  | 5mm Equal Tee Connector  |
| PM0206E  | 6mm Equal Tee Connector  |
| PM0208E  | 8mm Equal Tee Connector  |
| PM0210E  | 10mm Equal Tee Connector |
| PM0212E  | 12mm Equal Tee Connector |

## JG Equal Tee PI

## JG Equal Tee PI



| Item-Nr: | Description:              |
|----------|---------------------------|
| PI0206S  | 3/16" Equal Tee Connector |
| PI0208S  | 1/4" Equal Tee Connector  |
| PI0212S  | 3/8" Equal Tee Connector  |
| PI0216S  | 1/2" Equal Tee Connector  |
| PM0204S  | 5/32" Equal Tee Connector |
| PM0208S  | 5/16" Equal Tee Connector |

## JG Equal Straight Connector PM

## JG Equal Straight Connector PM



| Item-Nr: | Description:                  |
|----------|-------------------------------|
| PM0404E  | 4mm Equal Straight Connector  |
| PM0405E  | 5mm Equal Straight Connector  |
| PM0406E  | 6mm Equal Straight Connector  |
| PM0408E  | 8mm Equal Straight Connector  |
| PM0410E  | 10mm Equal Straight Connector |
| PM0412E  | 12mm Equal Straight Connector |

## JG Equal Straight Connector PI

## JG Equal Straight Connector PI



| Item-Nr: | Description:                   |
|----------|--------------------------------|
| PI0406S  | 3/16" Equal Straight Connector |
| PI0408S  | 1/4" Equal Straight Connector  |
| PI0412S  | 3/8" Equal Straight Connector  |
| PI0416S  | 1/2" Equal Straight Connector  |
| PM0404S  | 5/32" Equal Straight Connector |
| PM0408S  | 5/16" Equal Straight Connector |



## JG Equal Elbow PM

## JG Equal Elbow PM



| Item-Nr: | Description:               |
|----------|----------------------------|
| PM0304E  | 4mm Equal Elbow Connector  |
| PM0305E  | 5mm Equal Elbow Connector  |
| PM0306E  | 6mm Equal Elbow Connector  |
| PM0308E  | 8mm Equal Elbow Connector  |
| PM0310E  | 10mm Equal Elbow Connector |
| PM0312E  | 12mm Equal Elbow Connector |

## JG Equal Elbow PI

## JG Equal Elbow PI



| Item-Nr: | Description:                |
|----------|-----------------------------|
| PI0308S  | 1/4" Equal Elbow Connector  |
| PI0312S  | 3/8" Equal Elbow Connector  |
| PI0316S  | 1/2" Equal Elbow Connector  |
| PM0308S  | 5/16" Equal Elbow Connector |

## JG Enlarger PI

## JG Enlarger PI



| Item-Nr:  | Description:          |
|-----------|-----------------------|
| PI131012S | 3/8" - 5/16" Enlarger |
| PI131216S | 1/2" - 3/8" Enlarger  |

## JG End Stop PI

## JG End Stop PI



| Item-Nr: | Description:  |
|----------|---------------|
| PI4608S  | 1/4" End Stop |
| PI4612S  | 3/8" End Stop |

## JG Dispensing Valve Stem PI

## JG Dispensing Valve Stem PI



| Item-Nr: | Description:               |
|----------|----------------------------|
| NC730-02 | 3/8" Dispensing Valve Stem |

## JG Dispensing Valve Elbow PI

## JG Dispensing Valve Elbow PI



| Item-Nr: | Description:                |
|----------|-----------------------------|
| NC356-02 | 3/8" Dispensing Valve Elbow |

## JG Cross PI

## JG Cross PI



| Item-Nr: | Description:               |
|----------|----------------------------|
| PI4712S  | 3/8" Equal Cross Connector |

## JG Collet Covers PM

## JG Collet Covers PM



| Item-Nr: | Description:             |
|----------|--------------------------|
| PM1906E  | 6mm Collet Cover - Black |
| PM1906S  | 6mm Collet Cover - Grey  |
| PM1908B  | 8mm Collet Cover - Blue  |
| PM1908E  | 8mm Collet Cover - Black |

|         |                           |
|---------|---------------------------|
| PM1908R | 8mm Collet Cover - Red    |
| PM1908Y | 8mm Collet Cover - Yellow |
| PM1910E | 10mm Collet Cover - Black |
| PM1912E | 12mm Collet Cover - Black |
| PM1912S | 12mm Collet Cover - Grey  |
| PM1915B | 15mm Collet Cover - Blue  |
| PM1915E | 15mm Collet Cover - Black |
| PM1915R | 15mm Collet Cover - Red   |
| PM1918E | 18mm Collet Cover - Black |
| PM1922E | 22mm Collet Cover - Black |
| PM1922R | 22mm Collet Cover - Red   |

## JG Collet Covers PI

## JG Collet Covers PI



| Item-Nr: | Description:               |
|----------|----------------------------|
| PI1908B  | 1/4" Collet Cover - Blue   |
| PI1908R  | 1/4" Collet Cover - Red    |
| PI1912B  | 3/8" Collet Cover - Blue   |
| PI1912E  | 3/8" Collet Cover - Black  |
| PI1912G  | 3/8" Collet Cover - Green  |
| PI1912R  | 3/8" Collet Cover - Red    |
| PI1912S  | 3/8" Collet Cover - Grey   |
| PI1912Y  | 3/8" Collet Cover - Yellow |
| PI1916B  | 1/2" Collet Cover - Blue   |
| PI1916R  | 1/2" Collet Cover - Red    |
| PI1916S  | 1/2" Collet Cover - Grey   |

## JG Collect Locking Tool

## JG Collect Locking Tool



| Item-Nr: | Description:            |
|----------|-------------------------|
| ICLT/2   | Collet Locking Tool Set |

## JG Bulkhead Connector PM

## JG Bulkhead Connector PM



| Item-Nr: | Description:           |
|----------|------------------------|
| PM1204E  | 4mm Bulkhead Connector |
| PM1206E  | 6mm Bulkhead Connector |

## JG Bulkhead Connector PI

## JG Bulkhead Connector PI



| Item-Nr: | Description:             |
|----------|--------------------------|
| PI1216S  | 1/2" Bulkhead Connector  |
| PM1204S  | 5/32" Bulkhead Connector |
| PM1208S  | 5/16" Bulkhead Connector |

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