



*Catalogue - 2024 - v.0301*

# **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 - PLASTIC WASHABLE FILTERING CARTRIDGES - STRING WOUND POLYPROPYLENE FILTERING CARTRIDGES - MELT-BLOWN POLYPROPYLENE FILTER CARTRIDGES - CARBON BLOCK FILTERING CARTRIDGES - GAC GRANULAR ACTIVE CARBON FILTER CARTRIDGES - FILTER CARTRIDGES WITH FILTERING MEDIA - DOUBLE ACTION FILTER CARTRIDGES - STAINLESS STEEL FILTERING CARTRIDGES - PP PLEATED 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 - Y TYPE OBLIQUE FILTERS

## PLASTIC HEAD FILTER HOUSINGS

### 3P-CS-K

#### 3-piece filter housings with PP head 3P-CS-K Series



Item-Nr:	Description:
CS10PBST015K	10" 3-Piece filter housing PP Blue-SAN transparent inlet/outlet port ½" F brass w/spanner +bracket
CS10PBST020K	10" 3-Piece filter housing PP Blue-SAN transparent inlet/outlet port ¾" F brass w/spanner +bracket
CS10PBST025K	10" 3-Piece filter housing PP Blue-SAN transparent inlet/outlet port 1" F brass w/spanner +bracket
X3PCSKCH3P	Spanner for 3-P filter housing 3P-CS-K
X3PCSKSP01	Single support bracket in plastic for housing 3P-CS-K

### 3P-CS-MA

#### 3-piece filter housings with PP head 3P-CS-MA Series



Item-Nr:	Description:
CS09PBST012A	9¾" 3-Piece filter housing PP Blue-SAN transparent MA Series inlet/outlet port ½" F brass
CS09PBST034A	9¾" 3-Piece filter housing PP Blue-SAN transparent MA Series inlet/outlet port ¾" F brass
CS09PBST100A	9¾" 3-Piece filter housing PP Blue-SAN transparent MA Series inlet/outlet port 1" F brass
CS20PBST012A	20" 3-Piece filter housing PP Blue-SAN transparent MA Series inlet/outlet port ½" F brass
CS20PBST034A	20" 3-Piece filter housing PP Blue-SAN transparent MA Series inlet/outlet port ¾" F brass
CS20PBST100A	20" 3-Piece filter housing PP Blue-SAN transparent MA Series inlet/outlet port 1" F brass

## ACCESSORI 3P-CS-MA

## Accessories for filter housings 3P-CS-MA



Accessories for 3-piece housings in plastic

Item-Nr:	Description:
CH3PEA	Spanner for 3-P filter housing 3P-CS-MA
KITVITICS093PA	Complete kit of 4 pcs zinc-plated screws M 4.8 x 19 UNI 6954 + washer for MA series
XEASP1TZA	Single support bracket in plastic for housing 3P-CS-MA with wall attachments

## 3P-Mini 3W

## 3-Piece 3-way Mini filter housings



3-WAY MINI FILTERS for various uses: Polyphosphate dispensers with special internal tube and distributor, sediment prefilter with Mini filter cartridge 4 "NA washable or FA 4" PP string wound. The cap that can be positioned on any of the three connections allows installation in line or at an angle.

**CONSTRUCTION MATERIALS** - Head and ring nut: reinforced PP  
 - Bowl: edible SAN - Threaded inserts: Brass  
 - O-ring: NBR - Burst pressure: 25 bar C **OPERATING CONDITIONS**  
 - Operating temperature: + 1 ° C / + 45 ° C - Operating pressure: 8 bar MAX

Item-Nr:	Description:
3V043W0001500	3P-Mini 3W Filter housing PP-SAN transparent conn. ½" 3-way F in brass (empty)
3V043W02015KP	3P-Mini 3W Filter housing PP-SAN transparent conn. ½" 3-way F in brass (with polyphosphate tube kit)
3V043W02015PF	3P-Mini dosing bacther 3-way conn. Brass inserts ½" F with polyphosphate crystals
3V043W03015NA	3P-Mini 3W Filter housing PP-SAN transparent conn. ½" 3-way F in brass (with washable NA cartridge)
3V043W05015FA	3P-Mini 3W Filter housing PP-SAN transparent conn. ½" 3-way F in brass (w/ FA-PP bobbin wound cartr.

## 2P MINI 3W

## 2-Piece 3-way Mini filter housings



2-WAY MINI FILTERS for various uses: Polyphosphate dispensers with special internal tube and distributor, sediment prefilter with Mini filter cartridge 4 "NA washable or FA 4" PP string wound. The cap that can be positioned on any of the three connections allows installation in line or at an angle.

CONSTRUCTION MATERIALS - Head t: reinforced PP

- Bowl: edible SAN - Threaded inserts: Brass

- O-ring: NBR - Burst pressure: 25 bar C OPERATING CONDITIONS

- Operating temperature: + 1 ° C / + 45 ° C - Operating pressure: 8 bar MAX

Item-Nr:	Description:
2V043W02015KP	2P-Mini 3W Filter housing PP-SAN transparent conn. ½" 3-way F in brass (with polyphosphate tube kit)
2V043W02015PF	2P-Mini dosing bacther 3-way conn. Brass inserts ½" F with polyphosphate crystals
2V043W03015NA	2P-Mini 3W Filter housing PP-SAN transparent conn. ½" 3-way F in brass (with washable NA cartridge)
2V043W05015FA	2P-Mini 3W Filter housing PP-SAN transparent conn. ½" 3-way F in brass (w/ FA-PP bobbin wound cartr.

## 2P-S Hot Water

## 2-piece housings for HOT WATER



- Reinforced PA head

-Vase: reinforced PA - Threaded inserts: plastic

- Vent: Plastic - O-Ring: NBR - Burst pressure: = 35 bar OPERATING TEMPERATURE: 0 ° - 110 °

Item-Nr:	Description:
EAHW09PA012GBW	10" 2piece filter housing for HOT WATER inlet/outlet port ½" F plastic
EAHW09PA034GBW	10" 2piece filter housing for HOT WATER inlet/outlet port ¾" F plastic
EAHW09PA100GBW	10" 2piece filter housing for HOT WATER inlet/outlet port 1" F plastic



## BRASS-HEAD FILTER HOUSINGS

### CT-OTCS Brass head

### Brass head housings with SAN bowl



Operating pressure: 8 bar - Max Temperature 30 ° C Nickel-plated brass -  
Transparent SAN bowl  
(°) = use only special cartridges R0-type PE-BX / SSL-BX / SSP-BX

Item-Nr:	Description:
CT09OTST020GS	9¾" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port ¾" F 2500 l/h
CT09OTST025GS	9¾" 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 1¼" F 6200 l/h (°)
CT10OTST040GS	10" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 1½" 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 ¾" F 3500 l/h
CT20OTST025GS	20" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port ¾"1" F 5000 l/h
CT20OTST032GS	20" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 1¼" F 8000 l/h (°)
CT20OTST040GS	20" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 1½" F 12500 l/h (°)
CT20OTST050GS	20" 3-Piece filter housing brass head-bowl SAN transparent inlet/outlet port 2" F 16000 l/h (°)
XCT09OTVAS	9¾" 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

## J BIG FILTER HOUSINGS

### J-BIG housings

### "J BIG" large diameter housings



Item-Nr:	Description:
WB09PNPB100	10" Jr Big "Jumbo" 2-piece filter housing plastic inlet/outlet port 1"
WB09PNPB112	10" Jr Big "Jumbo" 2-piece filter housing plastic inlet/outlet port 1½"
WB09PNPB114	10" Jr Big "Jumbo" 2-piece filter housing plastic inlet/outlet port 1¼"
WB20PNPB100	20" Jr Big "Jumbo" 2-piece filter housing plastic inlet/outlet port 1"
WB20PNPB112	20" Jr Big "Jumbo" 2-piece filter housing plastic inlet/outlet port 1½"
WBCH	Spanner for J Big housings

## PLASTIC WASHABLE FILTERING CARTRIDGES

### NA-WASH-DOE

Cartridges in washable polyester mesh with double open end (DOE)



#### CONSTRUCTION MATERIALS

- Core : Polypropylene LV30
- Caps : Polypropylene LV30
- Filtering mesh: Polyester
- Seals : Silicone

#### APPLICATIONS

General sediment filtration i.e. sand, rust, impurities

Residential use: Pre-filtration of drinking water and/or any system requiring pre-treatment i.e.pumps, heating systems, taps, water softeners etc

Industrial use: Pre-filtration of any system requiring sediment pre- filtration i.e.pumps,irrigation, industrial/commercial systems etc.

Average life : approx. 2 years Maintenance: rinse every 2-3 months

#### OPERATING CONDITIONS

- Operating temperature : +1°C/+45°C

#### AVAILABLE LENGTHS

4" - 5" - 7" - 9 1/4" - 20" - Rating : 60 microns \* (Special micron ratings available upon request)

Item-Nr:	Description:
QU04NP060OPD	NA 4" washable filter cartridge Nylon 60 µm
QU05NP060OPD	NA 5" washable filter cart. Nylon 800 l/h 60µ
QU07NP060WW	NA 7" washable filter cart. Nylon 1200 l/h 60µ
QU10NP060WW	NA 9 1/4" washable filter cart. Nylon 1800 l/h 60µ
QU20NP060WW	NA 20" washable filter cart. Nylon 60µ for housing 3P

## STRING WOUND POLYPROPYLENE FILTERING CARTRIDGES

### FA-PP-DOE

**Polypropylene string wound sediment cartridges with double open end (DOE)**



#### APPLICATIONS

General sediment filtration i.e. fine sand, rust, fine impurities

Residential use: Pre-filtration of drinking water and/or any system requiring pre-treatment i.e.pumps, heating systems, taps, water softeners etc

Industrial use: Pre-filtration of any system requiring sediment pre- filtration i.e.pumps,irrigation, industrial/commercial systems,technical use of water in chemical, petrochemical,photographic, galvanotechnical, pharmaceutical fields.

Average life : approx. 3-6 months

Maintenance: None (throw-away)

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 800 l/h - 20- 25 µ
AM05PP050	FA 5" string wound PP cartridge 50 µm
AM07PP005	FA 7" string wound PP cartridge 5 µm
AM07PP020	FA 7" string wound PP cartridge 20-25 µm
AM07PP050	FA 7" string wound PP cartridge 50 µm
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
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
AM30PP020	FA 30"string wound PP cartridge 20 µm
AM40PP020	FA 40"string wound PP cartridge 20 µm

## FA-PP BIG

**Polypropylene string wound sediment cartridges with double open end (DOE) for J BIG housings**



### APPLICATIONS

General sediment filtration i.e. fine sand, rust, fine impurities

Residential use: Pre-filtration of drinking water and/or any system requiring pre-treatment i.e.pumps, heating systems, taps, water softeners etc

Industrial use: Pre-filtration of any system requiring sediment pre- filtration i.e.pumps,irrigation, industrial/commercial systems,technical use of water in chemical, petrochemical,photographic, galvanotechnical, pharmaceutical fields.

Average life : approx. 3-6 months

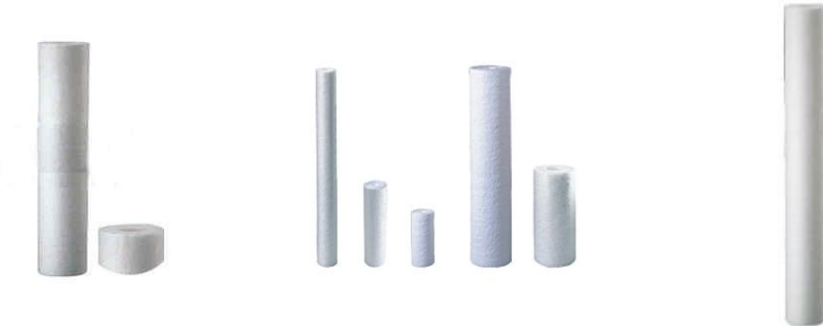
Maintenance: None (throw-away)

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
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

### Polypropylene melt-blown cartridges (DOE)



#### APPLICATIONS

General sediment filtration i.e. fine sand, rust, fine impurities

Residential use: Pre-filtration of drinking water and/or any system requiring pre-treatment i.e.pumps, heating systems, taps, water softeners, reverse osmosis etc

Industrial use: Pre-filtration of any system requiring sediment pre- filtration i.e.pumps,irrigation, industrial/commercial systems,technical use of water in chemical, petrochemical,photographic, galvanotechnical, pharmaceutical fields.

Average life : approx. 3-6 months

Maintenance: None (throw-away )

#### CONSTRUCTION MATERIALS

- Filtering body : Polypropylene fibres

- Operating temperature : +1°C/+45°C

#### AVAILABLE LENGHTS

5" - 7" - 9 ¾" - 20" - 30" - 40"

#### FEATURES

- Standard Rating : 5 micron \*

\* : Special micron ratings available upon request

Item-Nr:	Description:
MB09PP001O	9 7/8" x 2,4" (25 x 60 cm) polypropylene melt-blown cartridge 1 µm
MB09PP005O	9 7/8" x 2,4" (25 x 60 cm) polypropylene melt-blown cartridge 5 µm
MB09PP010O	9 7/8" x 2,4" (25 x 60 cm) polypropylene melt-blown cartridge 10 µm
MB09PP020O	9 7/8" x 2,4" (25 x 60 cm) polypropylene melt-blown cartridge 25 µm
MB09PP050O	9 7/8" x 2,4" (25 x 60 cm) polypropylene melt-blown cartridge 50 µm
MB20PP001O	20" x 4,3" (50 x 110 cm) polypropylene melt-blown cartridge 1 µm
MB20PP005O	20" x 4,3" (50 x 110 cm) polypropylene melt-blown cartridge 5µm
MB20PP010O	20" x 4,3" (50 x 110 cm) polypropylene melt-blown cartridge 10 µm
MB20PP020O	20" x 4,3" (50 x 110 cm) polypropylene melt-blown cartridge 25 µm
MB20PP050O	20" x 4,3" (50 x 110 cm) polypropylene melt-blown cartridge 50 µm
MB30PP005O	30" polypropylene melt-blown cartridge 5µm
MB40PP005O	40" polypropylene melt-blown cartridge 5µm

## MB-BIG

## Melt-blown cartridge for J BIG housings (DOE)



Item-Nr:	Description:
MBB09PP001	Filter cartridge 9 7/8" x 4,3" (25 x 110 cm)melt-blown polypropylene 1 µm for J BIG housings
MBB09PP005	Filter cartridge 9 7/8" x 4,3" (50 x 110 cm)melt-blown polypropylene 5 µm for J BIG housings
MBB09PP010	Filter cartridge 9 7/8" x 4,3" (50 x 110 cm)melt-blown polypropylene 10 µm for J BIG housings
MBB09PP020	Filter cartridge 9 7/8" x 4,3" (50 x 110 cm)melt-blown polypropylene 20 µm for J BIG housings
MBB09PP050	Filter cartridge 9 7/8" x 4,3" (50 x 110 cm)melt-blown polypropylene 50 µm for J BIG housings
MBB20PP001	Filter cartridge 20" x 4,3" (50 x 110 cm)melt-blown polypropylene 1 µm for J BIG housings
MBB20PP005	Filter cartridge 20" x 4,3" (50 x 110 cm)melt-blown polypropylene 5 µm for J BIG housings
MBB20PP010	Filter cartridge 20" x 4,3" (50 x 110 cm)melt-blown polypropylene 10 µm for J BIG housings
MBB20PP020	Filter cartridge 20" x 4,3" (50 x 110 cm)melt-blown polypropylene 20 µm for J BIG housings
MBB20PP050	Filter cartridge 20" x 4,3" (50 x 110 cm)melt-blown polypropylene 50 µm for J BIG housings

## CARBON BLOCK FILTERING CARTRIDGES

### CB SUPER BLOCK-DOE

Carbon block cartridge with double open end (DOE)



#### APPLICATIONS

Chlorine reduction and removal of bad tastes and smells. Pesticides and insecticides reduction. Organic material reduction.

Residential use: Drinking water, chlorine and heavy-metals reduction, bad taste and odour removal in drinking water systems.

Industrial use: Chlorine reduction in food, chemical, petrochemical, photographic, galvanotechnical, pharmaceutical industry. Ro membrane protection Average life : approx. 3 months

Maintenance: None (throw away)

#### AVAILABLE LENGHTS

5" - 9 3/4" - 10" - 20"

#### OPERATING CONDITIONS

- Operating temperature : +1°C/+45°C

#### FEATURES

- Standard Rating : 5 micron \*

\* : Special micron ratings available upon request

Item-Nr:	Description:
CB05CE0050	Carbon block cartridge 5" netted 5 µm
CB09CC005000	Carbon block cartridge 9 3/4" netted 5 µm
CB10CC005	Carbon block cartridge 10" netted 5 µm
CB20CC0050	Carbon block cartridge 20" netted 5 µm

### CB-BIG

Carbon block cartridge for J BIG housings (DOE)



Item-Nr:	Description:
CBB09PP010	Carbon block cartridge 9 3/4" 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 granulare-DOE

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



Bad tastes and odours, heavy-metals, chlorine and additives removal.

APPLICATIONS Chlorine reduction and removal of bad tastes and smells.

Pesticides, insecticides and heavy-metals reduction. Organic material reduction. Residential use: Drinking water, chlorine and heavy-metals reduction, bad taste and odour removal in drinking water systems.

Industrial use: Chlorine reduction in food, chemical, petrochemical, photographic, galvanotechnical, pharmaceutical industry. Ro membrane protection Average life : approx. 3 months

Maintenance: None (throw-away)

CONS

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

## FILTER CARTRIDGES WITH FILTERING MEDIA

### MEDIA-PF-DOE

**Polyphosphate crystals scale preventing cartridges with double open end (DOE)**



#### APPLICATIONS

General anti-scaling and pipe protection .  
Residential use: Anti-scaling and pipe protection of domestic water supply systems, appliances.  
Industrial use: Anti-scaling and pipe protection of industrial water supply systems, appliances.  
Maintenance: (none) throw-away. For a correct use replace this cartridge whenever the polyphosphate level drops to halfway of the initial level

#### OPERATING CONDITIONS

- Operating temperature : +1°C/+45°C

#### AVAILABLE LENGHTS

9 3/4" - 20"

#### FEATURES

#### Item-Nr:

#### Description:

CV09PF

MULTI-PF 9 3/4" filt.cartridge w/polyphosphate crystals

### MEDIA-CT-DOE

**Cartridge w/cation resin for water softening with double open end (DOE)**



#### APPLICATIONS

General anti-scaling and pipe protection .  
Residential use: Anti-scaling and pipe protection of domestic water supply systems, appliances.  
Industrial use: Anti-scaling and pipe protection of industrial water supply systems, appliances.  
Maintenance: (none) throw-away.

#### OPERATING CONDITIONS

- Operating temperature : +1°C/+45°C

#### AVAILABLE LENGHTS

9 3/4" -20"

#### Item-Nr:

#### Description:

JV09CT001

MULTI-PF 9 3/4" filt.cartridge w/cation resin for water softening

## MEDIA-MB-DOE

Cartridge w/mixed bed resin for demineralisation with double open end (DOE)



### APPLICATIONS

Any application requiring demineralised water  
Residential use: Any application requiring demineralised water  
Industrial use: Any application requiring demineralised water  
Maintenance: (none) throw-away.

### OPERATING CONDITIONS

- Operating temperature : +1°C/+45°C

### AVAILABLE LENGHTS

9 3/4" -20"

### Item-Nr:

### Description:

JE09MBST	MULTI-PF 9 3/4" filt.cartridge w/mixed-bed resin for desalination
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## MEDIA-ASM-DOE

Cartridge w/selective resin for arsenic removal with double open end (DOE)



### APPLICATIONS

Residential use: Any application requiring nitrates removal from water  
Industrial use: Any application requiring nitrates removal from water  
Average life: approx. 10-12 months  
Maintenance: (none) throw-away.

### OPERATING CONDITIONS

- Operating temperature: +1°C/+45°C

### AVAILABLE LENGHTS

9 3/4" -20"

### Item-Nr:

### Description:

JV09ASM00	MULTI-ASM 9 3/4" filt.cartridge w/selective resin for arsenic removal
JV20ASM00	MULTI-ASM 20" filt.cartridge w/selective resin for arsenic removal
JVBB10ASM00	MULTI-BB ASM 10" filt.cartridge BIG SIZE cw/selective resin for arsenic removal
JVBB20ASM00	MULTI-BB ASM 20" filt.cartridge BIG SIZE cw/selective resin for arsenic removal

## MEDIA-NI-DOE

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



### APPLICATIONS

Residential use: Any application requiring nitrates removal from water

Industrial use: Any application requiring nitrates removal from water

Average life : approx. 10-12 months

Maintenance: (none) throw-away.

### CONSTRUCTION MATERIALS

Industrial

### OPERATING CONDITIONS

- Operating temperature : +1°C/+45°C

### AVAILABLE LENGHTS

9 3/4" -20"

### Item-Nr:

### Description:

JV09NI000

MULTI-PF 9 3/4" filt.cartridge w/selective resin for nitrate removal

## MEDIA-AN-DOE

Cartridge w/anion resin with double open end (DOE)



### APPLICATIONS

Maintenance: (none) throw-away.

### OPERATING CONDITIONS

- Operating temperature : +1°C/+45°C

### AVAILABLE LENGHTS

9 3/4" -20"

### Item-Nr:

### Description:

JE09AN001

MULTI-PF 9 3/4" filt.cartridge w/anion resin

## STAINLESS STEEL FILTERING CARTRIDGES

### SPL Steel SC Series A304

Smooth A304 stainless steel mesh SC Series filter cartridges w/double open end (DOE)



Item-Nr:	Description:
RLSCLX10G025NBR	A304 10" Stainless steel mesh (pleated, stapled) filtering cartridge 25 µm mesh w/ DOE NBR seals
RLSCLX10G040NBR	A304 10" Stainless steel mesh (pleated, stapled) filtering cartridge 40 µm mesh w/ DOE NBR seals
RLSCLX10G060NBR	A304 10" Stainless steel mesh (pleated, stapled) filtering cartridge 60 µm mesh w/ DOE NBR seals

### SPL Steel SC BIG Series A304

Smooth A304 stainless steel mesh SC BIG Series filter cartridges w/double open end (DOE)



Item-Nr:	Description:
RLSCBLX10G060NBRW	A304 10" Big Stainless steel mesh filtering cartridge 60 µm mesh w/ DOE NBR seals

## STPX Steel C (bonded) A304

## Smooth A304 stainless steel mesh (bonded version) filter cartridges w/double open end (DOE)



APPLICATIONS Filtration of: sand, scale, rust.

Domestic use: filtration of drinking water, protection of taps, boilers, washing machines and other installations.

Technical use: pre-filtration for pumps, irrigation systems, protection of industrial installations and other installations, water filtration brackish (special version in stainless steel AISI 316) Constructed with metal mesh in AISI 304 or 316 Inner tube completely in Aisi 316 Max differential pressure: - Plated Bonded Ø and 58: 15 bar @ 25 ° C

- Pleated bonded Ø 68: 8 bar @ 25 ° C

- Pleated stapled: 8 bar @ 25 ° C

- Cylindrical plain bonded Ø 58: 6 bar @ 25 ° C

- Cylindrical plain bonded Ø 68: 6 bar @ 25 ° C

- Cylindrical plain stapled Ø 58: 5 bar @ 25 ° C

- Cylindrical plain stapled Ø 68: 5 bar @ 25 ° C

Available with Polypropylene or Stainless Steel connection ends

Filtration grade 25 µm filter 50 µm 70 µm 100 µm (other filtration ratgrades available on request) Other lengths available on request

Item-Nr:	Description:
RLSTPX10C025NBR	A304 10" Stainless steel mesh (plain, bonded) filtering cartridge 25 µm mesh w/ DOE NBR seals
RLSTPX10C050NBR	A304 10" Stainless steel mesh (plain, bonded) filtering cartridge 50 µm mesh w/ DOE NBR seals
RLSTPX10C070NBR	A304 10" Stainless steel mesh (plain, bonded) filtering cartridge 70 µm mesh w/ DOE NBR seals
RLSTPX10C100NBR	A304 10" Stainless steel mesh (plain, bonded) filtering cartridge 100 µm mesh w/ DOE NBR seals

## STPX Steel G (stapled) A304

## Smooth A304 stainless steel mesh (stapled version) filter cartridges w/double open end (DOE)



Item-Nr:	Description:
RLSTPX10G025NBR	A304 10" Stainless steel mesh (plain, stapled) filtering cartridge 25 µm mesh w/ DOE NBR seals
RLSTPX10G050NBR	A304 10" Stainless steel mesh (pleated, stapled) filtering cartridge 50 µm mesh w/ DOE NBR seals
RLSTPX10G070NBR	A304 10" Stainless steel mesh (pleated, stapled) filtering cartridge 70 µm mesh w/ DOE NBR seals
RLSTPX10G100NBR	A304 10" Stainless steel mesh (plain, stapled) filtering cartridge 100 µm mesh w/ DOE NBR seals

## SPLX Steel C (bonded) A304

Pleated A304 stainless steel mesh (bonded version) filter cartridges w/double open end (DOE)



Item-Nr:	Description:
RLSPLX10C025NBR	A304 10" Stainless steel mesh (pleated, bonded) filtering cartridge 25 µm mesh w/ DOE NBR seals
RLSPLX10C050NBR	A304 10" Stainless steel mesh (pleated, bonded) filtering cartridge 50 µm mesh w/ DOE NBR seals
RLSPLX10C070NBR	A304 10" Stainless steel mesh (pleated, bonded) filtering cartridge 70 µm mesh w/ DOE NBR seals
RLSPLX10C100NBR	A304 10" Stainless steel mesh (pleated, bonded) filtering cartridge 100 µm mesh w/ DOE NBR seals

## SPLX Steel G (stapled) A304

Pleated A304 stainless steel mesh (stapled version) filter cartridges w/double open end (DOE)



Item-Nr:	Description:
RLSPLX10G025NBR	A304 10" Stainless steel mesh (pleated, stapled) filtering cartridge 25 µm mesh w/ DOE NBR seals
RLSPLX10G050NBR	A304 10" Stainless steel mesh (pleated, stapled) filtering cartridge 50 µm mesh w/ DOE NBR seals
RLSPLX10G070NBR	A304 10" Stainless steel mesh (pleated, stapled) filtering cartridge 70 µm mesh w/ DOE NBR seals
RLSPLX10G100NBR	A304 10" Stainless steel mesh (pleated, stapled) filtering cartridge 100 µm mesh w/ DOE NBR seals

## PP PLEATED CARTRIDGES

### Pleated

Pleated cartridges in polypropylene or cellulose for sediment filtration (DOE)



Item-Nr:	Description:
PL09CL0050	9 3/4" pleated cellulose cartridge 5 µm
PL09CL020	9 3/4" pleated cellulose cartridge 20 µm
PL19CL005	19 3/4" pleated cellulose cartridge 5 µm
PL20CL020	20" pleated cellulose cartridge 20 µm



## FILTER CARTRIDGES FOR BRASS HEAD FILTER HOUSINGS

### RL-PE-BX nylon mesh

**Filtering cartridges polyester washable mesh quick coupling w/double O-RING 45 MM**



Item-Nr:	Description:
RLBX10PE050	RLBX washable mesh filtering cartridge 10" 50µm PE - quick insert doubleO-ring 45 mm
RLBX20PE050	RLBX washable mesh filtering cartridge 10" 50µm PE - quick insert double O-ring 45 mm

### RL-SSP-BX inox

**Filtering cartridges AISI304 Stainless steel mesh (pleated) quick coupling double O-RING 45 MM**



Item-Nr:	Description:
RLBX10SSP050	RLBX SSL washable filtering cartridge 10" 50µm AISI304 Stainless steel mesh (pleated) - quick insert double O-
RLBX20SSP050	RLBX SSL washable filtering cartridge 20" 50µm AISI304 Stainless steel mesh (pleated) - quick insert double O-

## RL-SSL-BX inox

Filtering cartridges AISI304 Stainless steel mesh(plain)quick coupling w/double O-RING 45 MM



Item-Nr:	Description:
RLBX10SSL070	RLBX SSL washable filtering cartridge 10" 70µm AISI304 Stainless steel mesh (plain) - quick insert double O-ring
RLBX20SSL070	RLBX SSL washable filtering cartridge 20" 70µm AISI304 Stainless steel mesh (plain) - quick insert double O-ring

## CINTROPUR FILTERS

### CINTROPUR-DOM

### CINTROPUR Domestic filters



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 nylon (set of 5 pcs)
FWCC150NW320	Cintropur NW320 filter sleeves 150 micron nylon (set of 5 pcs)
FWCC300NW250	Cintropur NW250 filter sleeves 300 micron nylon nylon (set of 5 pcs)
FWCC300NW320	Cintropur NW320 filter sleeves 300 micron nylon nylon (set of 5 pcs)
FWCCNW250	Cintropur NW250 Domestic filter 1" flow rate 5,5 m3/h
FWCCNW320	Cintropur NW320 Domestic filter 1 ¼" flow rate 6,5 m3/h
FWVC005NW320	Cintropur NW320 filter sleeves 5 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)
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)
XXFWCC-DOM	CINTROPUR - Domestic filters - Spare parts - Prices on request

## CINTROPUR-NW280 NW340 NW400

## CINTROPUR NW280 NW340 NW400 - Semi-industrial filters



**GENERAL DESCRIPTION** Made entirely from first quality synthetic material, CINTROPUR® filters are perfectly suitable for food products and drinking water. The CINTROPUR® vane transforms the liquid flow into a centrifugal spin by throwing the larger particles down into the lower bowl, according to the chosen filter sleeve micron-size.

**ADVANTAGES :** high and constant flow rate  
low pressure drop centrifugal prefiltration with a cyclonal effect  
robustness and reliability fast and easy flushing out  
permanent visual control of the filter sleeve (transparent bowl)  
exclusive system, ecological and not expensive (filter sleeve)

**BASIC PRINCIPLE** Protection of industrial as well as residential and agricultural installations by filtering the solid particles (earth, sand, rust, etc,...) suspended in the water.

**APPLICATIONS · INDUSTRY :** Protection of sanitary fittings and machine tools. **AGRICULTURE :** Filtration of watering (spraying) installations; Filtration of water for animals; Filtration of rainwater and well water. **GROUPS:** (hotels, restaurants, schools, buildings, ...) protection of the sanitary installations and all electrical/ domestic appliances.

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
FWCVC001NW400	Cintropur NW400 filter sleeves 1 micron (set of 5 pcs)
FWVC001NW280	Cintropur NW280 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 nylon (set of 5 pcs)
FWVC300NW400	Cintropur NW400 filter sleeves 300 micron nylon nylon (set of 5 pcs)
XXCIN-IND	CINTROPUR - Semi-industrial & industrial filters - Spare Parts prices on request

## CINTROPUR-NW 500/650/800

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



### GENERAL DESCRIPTION

Made entirely from first quality synthetic material, CINTROPUR® filters are perfectly suitable for food products and drinking water. The CINTROPUR® vane transforms the liquid flow into a centrifugal spin by throwing the larger particles down into the lower bowl, according to the chosen filter sleeve micron-size. **BASIC PRINCIPLE** - Protection of industrial as well as residential and agricultural installations by filtering the solid particles (earth, sand, rust, etc,...) suspended in the water.

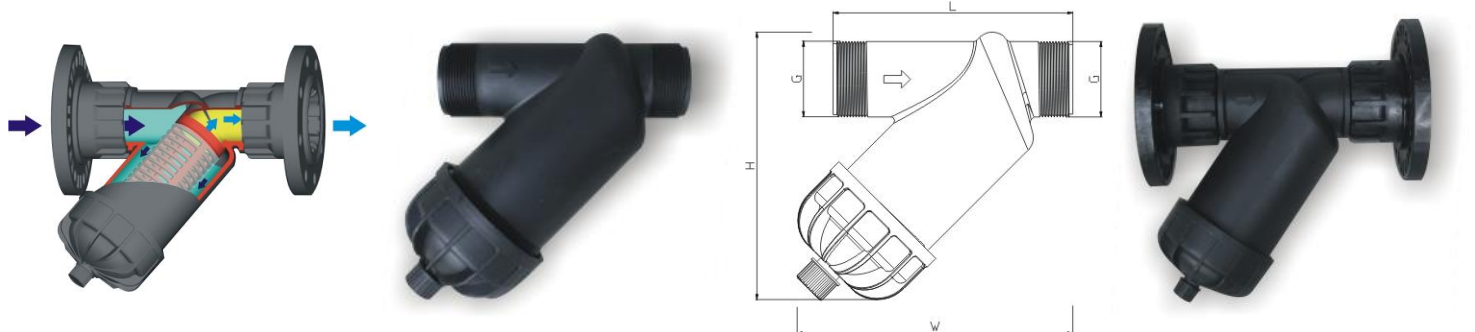
**APPLICATIONS · INDUSTRY** : Protection of sanitary fittings and machine tools. **AGRICULTURE** : Filtration of watering (spraying) installations; Filtration of water for animals; Filtration of rainwater and well water. **· GROUPS**: (hotels, restaurants, schools, buildings, ...) protection of the sanitary installations and all electrical/domestic appliances. **INNOVATIVE & ECOLOGICAL PRODUCT MADE IN BELGIUM** **ADVANTAGES** : high and constant flow rate  
low pressure drop - centrifugal prefiltration with a cyclonal effect  
**ADVANTAGES** : high and constant flow rate  
low pressure drop - centrifugal prefiltration with a cyclonal effect  
robustness and reliability - fast and easy flushing out - permanent visual control of the filter sleeve (transparent bowl) - exclusive system, ecological and not expensive (filter sleeve)

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 nylon (set of 5 pcs)
FWCC300NW500	Cintropur NW500/650/800 filter sleeves 300 micron nylon nylon (set of 5 pcs)
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

## Y TYPE OBLIQUE FILTERS

### Y-FILTER

### Y-Type oblique filters



Item-Nr:	Description:
CSLYF020	CSL Y Type oblique filter conn ¾" in/out - 80 µm mesh
CSLYF025	CSL Y Type oblique filter conn 1" in/out - 80 µm mesh
CSLYF040	CSL Y Type oblique filter conn 1,5" in/out - 80 µm mesh
CSLYF050	CSL Y Type oblique filter conn 2" in/out - 80 µm mesh
CSLYF065	CSL Y Type oblique filter conn DN65 Falnge in/out - 80 µm mesh
CSLYF080	CSL Y Type oblique filter conn DN80 Falnge in/out - 80 µm mesh

## SEMI-AUTOMATIC MANUAL CLEANING FILTERS

### MOS-TECH - Made in Italy NO-DRIP SYSTEM

### Semi-automatic Self-cleaning filters MOS-TECH - Featuring New Innovative "No-Drip" System



Activating the rotary washing activates the rotation of the internal system of filtration that will be brushed entirely in its surface. Upon maneuvering cleaning the dirt accumulated on the cartridge and inside the glass will be discharged. This system does not present the problem of the replacement of the filter cartridge or clean it, with the significant economic and practical advantages. The anti-drip-drip and throat no deposit of dirt, allowing the exhaust system to function properly over the life of the filter, even in extreme conditions, avoiding unpleasant water leakage from the drain or locking system. With this technology, the discharge will pass from the open / closed position by rotation and will always be clean and free of impurities which can compromise the correct operation. filter cartridge triple layer - The filter cartridge 90 microns is formed by three layers. The inner layer or support body drilled serves to give support to the mesh filter and strengthen the cartridge.

The welding of the head of the cartridge and consequently its uniform surface avoids dangerous stresses of the brushes and of the filtering mesh, concentrating the energy of brushing only to removal of dirt rather than to the deformation of the cylinder. The middle layer improves the passage of water acting as a speaker and providing further support to the layer dedicated to attract dirt. The last layer or mesh filter fits perfectly on the cylinder surface for increased reliability. MOS is built with high quality materials suitable for use for drinking water. SPECIFICATIONS Attacks 1/2 "F 3/4" F 1 "F 1 1/4" F  
Flow m3 / h (DP = 0.2 bar) 3.5 5 6 7 - Pressure MIN / MAX 1.5 / 10 bar  
Degree of filtration 90 microns - Water Temperature MIN / MAX ° C 5/40  
Drain connection: anti-reflux in accordance with the Standard European UNI EN 1717/2002

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- Cleaning filter - Made in Italy

## MOS-S1BV Semi-automatic cleaning filter



MOS-S1B 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-PP CARTRIDGE with nylon mesh and CENTERING RING-EXHAUST VALVE. Spare parts and accessories: 100 micron PP cartridge with nylon mesh, Glass key.

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 Filtration level 100 µm Water temp. MIN/MAX 5 - 30°C Filter cartridge material: PP / Nylon Connection fittings material: Brass UNI EN 12165 CW 617 N Packaging quantity: 8 pieces

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 1/2" swivel connection (empty)
XMOS1BBVRMXCT	Cartridge with washable stainless steel mesh 100 µm for MOS-S1BV filter
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

## PLT SR / PLT R

## Manual Self-cleaning filters PLT SR / PLT R series



MODELLO	Portata filtrin. max.	Portata filtrin. consigli.	Raccordo in pollici	Temper. acqua max °C	Press. max in esact.	Peso in Kg.
PLT SR 3/4"	70	40	3/4"	40	16	2,340
PLT SR 1"	100	60	1"	40	16	2,770
PLT SR 1-1/4"	130	90	1-1/4"	40	16	3,020
PLT SR 1-1/2"	160	120	1-1/2"	40	16	3,080
PLT R 3/4"	70	40	3/4"	40	16	3,800
PLT R 1"	100	60	1"	40	16	3,940
PLT R 1-1/4"	130	90	1-1/4"	40	16	3,970

Double-action manual cleaning filter. Cleaning is achieved by turning the upper handle clockwise activating counter rinse operation and draining all residual impurities.

Item-Nr:	Description:
PLT020SR	PLT-SR self-cleaning filter 3/4"- M 89 µm - max 70 l/m - PN 16
PLT025SR	PLT-SR Manual self-cleaning filter conn.1"- M 100 µm - max 100 l/m - PN 16
PLT032SR	PLT-SR Manual self-cleaning filter conn.1 1/4"- M 100 µm - max 130 l/m - PN 16
PLT040SR	PLT-SR Manual self-cleaning filter conn.1 1/2"- M 100 µm - max 160 l/m - PN 16
PLT050SR	PLT-SR Manual self-cleaning filter conn.2"- M 100 µm - max 240 l/m - PN 16



## SF-102 BRASS

### Brass head manual backwash filters



Double-action manual cleaning filter. Cleaning is achieved by turning the upper handle clockwise activating counter rinse operation and draining all residual impurities.

Item-Nr:	Description:
SF12BM1CMVTF02	SF102 Brass head manual backwash filter 1 "- 3/4" M w / pressure gauge w / ball valve+hose kit 1/4"stainless

## SF-104 INOX

### Manual Self-cleaning filters of stainless steel

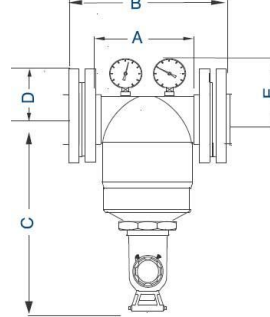
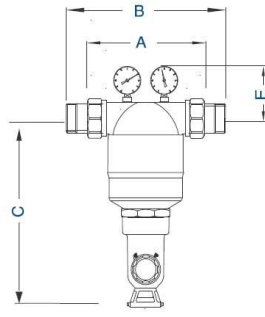


Double-action manual cleaning filter. Cleaning is achieved by turning the upper handle clockwise activating counter rinse operation and draining all residual impurities.

Item-Nr:	Description:
SF14SM1SMPTF02	SF104 Brass head manual backwash filter 1 "- 3/4" M w/out pressure gauge w /hose nozzle +hose w/stainless

## EM-SC

## Manual Self-cleaning filters "EM-SC" Series



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

These filters have been designed to guarantee perfect water filtration, with minimum maintenance during their life, and with an easy to-use knob that activates the counter-flow back wash and ensures water supply to the user during cleaning.

The installation of the filter EM-SC may provide the water flow in both directions. Thanks to the patented rotator combined with a stainless steel cartridge AISI 316, the filters are suitable for waters rich in impurities, sand and other extraneous substances. Main advantages : - Featuring fittings that can rotate through 360° and brass head. ADVANTAGES Both the filter that the brass head are tested one by one for a long duration - filtration cartridge 316 stainless complete impeller (50 -125 -200- 500 microns)

- Knob for easy backwashing

- In accordance with the Ministerial Decree 443 - European regulations
- it is being approved according to DVGW;
- Installation with water flow in both directions

### SPECIFICATIONS

- With gauges
- Filter with brass head PN 16
- Brass body
- Filter cartridge in stainless steel AISI 316
- Knob for backwashing

Item-Nr:	Description:
EMSC050	EM-SC self-cleaning filter 2" (DN50) M 200 µm - max 51 m <sup>3</sup> /h - PN 16
EMSC065	EM-SC self-cleaning filter 2½" (DN65) flanged M 200 µm - max 56 m <sup>3</sup> /h - PN 16
EMSC080	EM-SC self-cleaning filter 3" (DN80) flanged M 200 µm - max 67 m <sup>3</sup> /h - PN 16
EMSC100	EM-SC self-cleaning filter 4" (DN100) flanged M 200 µm - max 74 m <sup>3</sup> /h - PN 16

## 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- w/out pressure reducer
KEWABOARD	Spare electronic card for KEW-A automatic self-cleaning filter
KEWACART1	External replacement cartridges for automatic KEW-A self-cleaning filter
KEWACART2	Internal replacement cartridges for automatic KEW-A self-cleaning filter
KEWACOMBOW	Bowl for self-cleaning filter KAW-A

## E-SC-A

## Automatic self-cleaning filters "E-SC-A" Series



These filters have been designed to guarantee perfect water filtration, with minimum maintenance during their life. The cleaning of the filter is carried out by backwashing during which is guaranteed water users. Backwashing is implemented by a system electromechanical controlled by an adjustable timer based on need, equipped with a safety system which prevents flooding in the event of interruption current or faults.

The filter Model "E-SC" is equipped with brass fittings that can rotate through 360° and can be easily mounted on vertical and horizontal pipes. Thanks to the patented rotator combined with a stainless steel cartridge AISI 316, the filters are suitable for waters rich in impurities, sand rust and other extraneous substances. Main advantages : - Featuring fittings that can rotate through 360° and brass head. - tested one by one for a long lasting life Filtration through a stainless steel cartridge AISI 316 – 89 micron (also available with 50-200-500 microns) - Automatic backwash - it is being approved by DVGW

VORTEILE -Filter mit Dreh-Anschluss 360° und getestet Messing getestet eins nach dem anderen, um eine langfristige Filterpatrone mit Edelstahl AISI 316 DIN 19632: 100 uM (50-200-500 uM mit optionaler Patrone) - automatische Rückspülung Gemäß Übereinstimmungen des Ministerium 443 - europäischen Bestimmungen - wird gerade nach DVGW geprüft;

### SPECIFICATIONS

Available with and without pressure reducer (from 1 to 6 bar)

- Brass fitting that can rotate by 360°
- Brass head PN 16
- Stainless steel cartridge AISI 316
- Transparent bowl in Trogamid
- automatic backwash system, CE for devices powered low voltage compatible with the Machinery Directive

Item-Nr:	Description:
ESCA020SR	E-SC-A automatic self-cleaning filter ¾"- M 100 µm - max 8,5 m3/h - w/out pressure reducer
ESCA025SR	E-SC-A automatic self-cleaning filter 1"- M 100 µm - max 10,8 m3/h - w/out pressure reducer
ESCA032SR	E-SC-A automatic self-cleaning filter 1 ¼"- M 100 µm - max 11,7 m3/h - w/out pressure reducer
ESCA040SR	E-SC-A automatic self-cleaning filter 1 ½"- M 100 µm - max 13,3 m3/h - w/out pressure reducer
ESCA050SR	E-SC-A automatic self-cleaning filter 2"- M 100 µm - max 14,9 m3/h - - w/out pressure reducer

# FLEXI 360°

## Polyphosphate proportional batchers FLEXI 360° Series



# POLY-RIC

## Polyphosphate refill cartridges for DOSPLUS/FLEXI 360° batchers Series



## DS-PM

## Scale preventing mini polyphosphate batchers for washing machines



Item-Nr:	Description:
DL03PP034PF	Special Mini polyphosphate batcher for washing machines w/polyphosphate
DL03PP034V	Special Mini polyphosphate batcher for washing machines (empty)

## 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  
**SPARE PARTS AND ACCESSORIES-** Tightening wrench- Cartridge with polyphosphate spheres

**TECHNICAL DATA**  
 Available sizes: DN 20-DN 25-DN 32  
 IN-OUT connections ¾" (2.5 m³/h) 1" (3.5 m³/h) 1 ¼" (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: Brass UNI EN 12165 CW 617  
 N Packaging quantity: 8 pieces

Item-Nr:	Description:
MOS1B020V	MOS-S1B polyphosphate dosing filter with ¾" swivel connection (empty)
MOS1B025V	MOS-S1B polyphosphate dosing filter with 1" 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 proper operation of your condensing boiler and plant. Your plant and boiler need the proper care to function properly and last for a long time. Our dirt separator is the first step. The installation of our device prevents breaks and malfunctions by separating and filtering the dirt and mud present inside the pipes. The contained magnetic device also makes the dirt separator suitable for installation on plants where there is a higher concentration of ferrous particles, corrosion and corrosion. FURTHER ADVANTAGES Super compact Its super compact size allows it to be installed virtually under each boiler. The nickel-plated brass construction also makes it integrated with any other component of the plant and especially on exposed installations.

- Powerful magnetic device The powerful internal magnetic device, coupled with the filter cartridge, is the heart of our dirt separator. The internal magnet is perpetually in contact with the fluid, with the certainty of a correct action. The device was designed to work to the fullest extent possible with domestic boilers. - Easy cleaning - With the opening of the drain valve, the dirt that is retained inside the device can be drawn. For more accurate cleaning of the magnet and cartridge, the dirt separator can be inspected inside and completely removable. - 100% Made in Italy

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

## CONDENSATION NEUTRALIZER

### NC-PH

### Condensation neutralizer PH1



**DESCRIPTION** The NC-PH acidity neutralizing filter is specially designed to be installed in the condensation discharge of the new boilers. With this type of boilers you must face the problem of acidic condense that can not be discharged directly into the sewer as well as causing unpleasantness corrosion phenomena in exhaust pipes and chrome sinks. With our device you can safely download condensation water as it will come preventively neutralized the PH thanks to the product contained within it. **PRINCIPLE OF OPERATION** NC-PH acidity neutralizing filters are been specially designed to work with boilers of power <35 KW. With the installation of the device forces condensation to transit through

a bed of neutralizing material varies the PH making it fall within the limits set for the free discharge, without damaging pipes, gutters, sinks or any other component of the domestic plant. Water once crossed the device will return to alkaline values (PH> 7). **TECHNICAL FEATURES** BODY AND HEAD: plastic material, INLET / OUTPUT FITTINGS: plastic material 3/4", hose connector diam.20 mm, NEUTRALIZING CHARGE: CaCO<sub>3</sub>, O-RING: EPDM,CAPACITY: 3 l / h **CHARGE REPLACEMENT:** 8/12 months or until sold out **WATER TEMP:** 5/40 ° C **DIMENSIONS** : H with curved connection = 230mm H with curved connection = 245mm Google Traduttore per le aziende:

Item-Nr:	Description:
NC001DLT	Acid condensate neutralizer filter PH-DLT for condensation boilers <35 KW
NC001RIC01DLT	Refill DLT for condensate neutralizer filter dolomite

### NC-PH 2

### Condensation neutralizer PH2



Item-Nr:	Description:
NC002ACB	Acid condensate neutralizer filter PH2-ACB for condensation boilers <35 KW
NC002KITRAC	Refill ACB for condensate neutralizer filter alkaline ceramic balls
NC002RIC01ACB	Refill ACB for condensate neutralizer filter alkaline ceramic balls



## BOILER KIT

### BOILER KIT

Boiler kit: dirt separator + polyphosphate dispenser + acid condensation neutralizer



§

Item-Nr:	Description:
KITCALD01ACB	Boiler kit #01 Acid condensation neutralizer ACB+polyphosphate dispenser+plastic dirt separator
KITCALD01DLT	Boiler kit #01 Plastic dirt separator+polyphosphate dispenser+acid condensation neutralizer DLT



## 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

#### 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 (sandblasted surface finish) 3x20 " 1 ½" ports - Flow rate 8 m3/h
FMC20330A304S050	Multi-Cartridge filter housing in stainless steel (sandblasted surface finish) 3x30 " 2" ports - Flow rate 12 m3/h
FMC30340A304S050	Multi-Cartridge filter housing in stainless steel (sandblasted surface finish) 3x40 " 2" ports - Flow rate 16 m3/h
FMC40730A304S065	Multi-Cartridge filter housing in stainless steel (sandblasted surface finish) 7x30 " 3" ports - Flow rate 28 m3/h
FMC50740A304S065	Multi-Cartridge filter housing in stainless steel (sandblasted surface finish) 7x40 " 3" ports - Flow rate 38 m3/h
FMC61230A304S100	Multi-Cartridge filter housing in stainless steel (sandblasted surface finish) 12x30 " 4" ports - Flow rate 48 m3/h
FMC71240A304S100	Multi-Cartridge filter housing in stainless steel (sandblasted surface finish) 12x40 " 4" ports - Flow rate 64 m3/h
FMC81940A304S100	Multi-Cartridge filter housing in stainless steel (sandblasted surface finish) 19x40 " 4" ports - Flow rate 100 m3/h

## MULTI PVC-U

## Multi-cartridge filters in PVC-U



Standard Features: PVC-U Body  
Designed to match all standard cartridges  
Different filtration ratings available; easy and practical cartridge change.

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 Prezzo su richiesta
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



Standard Features 304SS Stainless Steel Body Available with sanded or mirror polished 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

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 calculation has been done according to 5 micron for CP type cartridge systems, 50 micron washable cartridge for CN and CX type cartridge systems.

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



Item-Nr:	Description:
FSM10117U	Bag filter in PVC-U 1x17" with DN50 connection. Flow rate 10-15 m3 / h
FSM10132U	Bag filter in PVC-U 1x32" with DN50 connection. Flow rate 20-25 m3 / h
FSUBAG017005	Bag 17" 5 µm
FSUBAG032005	Bag 32" 5 µm

## HYDROCYCLONE SEPARATORS

### Idrociclone - Serie ICGC - ICG

### Hydrocyclone Centrifugal separators - galvanized and painted Series ICGC - ICG



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

The prices refer to both the galvanized steel filters and the painted ones. On request it is possible to have the galvanized and painted version by adding + 10% to the indicated prices.

Item-Nr:	Description:
ICGP0020Z	Hydrocyclone galvanized in/out 3/4" - 2-5 m3 / h
ICGP0025Z	Hydrocyclone galvanized in/out 1" - 5 - 8 m3/h
ICGP0032Z	Hydrocyclone galvanized in/out 1¼" - 8 - 12 m3/h
ICGP0040Z	Hydrocyclone galvanized in/out 1½" - 12 - 16 m3/h
ICGP0050Z	Hydrocyclone galvanized in/out 2" - 15 - 25 m3/h
ICGP0065Z	Hydrocyclone galvanized in 2½" - out 3" - 25-40 m3/h
ICGP0080Z	Hydrocyclone galvanized in DN80 - out DN100 - 40-80 m3/h
ICGP0125Z	Hydrocyclone galvanized in DN100 - out DN125 - 80-120 m3/h
ICGP0150Z	Hydrocyclone galvanized in DN125 - out DN150 - 120-180 m3/h

## IDROCICLONE - Serie ICSS - AISI 304

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



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.

Eesmpio: 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:
ICSS0020SSC	Hydrocyclone ICSS in stainless steel AISI304 3/4 "- 3-6 m3 / h
ICSS0025SSC	Hydrocyclone ICSS in stainless steel AISI304 1" - 6-12 m3/h
ICSS0032SSC	Hydrocyclone ICSS in stainless steel AISI304 1 1/4" - 9-13 m3/h
ICSS0040SSC	Hydrocyclone ICSS in stainless steel AISI304 1 1/2" - 12-18 m3/h
ICSS0050SST	Hydrocyclone ICSS in stainless steel AISI304 2" male thread- 15-25 m3/h
ICSS0080SST	Hydrocyclone ICSS in stainless steel AISI304 3" male thrad- 25-50 m3/h
ICSS0100SST	Hydrocyclone ICSS in stainless steel AISI304 4" Flange DN100 - 50-72 m3/h
ICSS0125SST	Hydrocyclone ICSS in stainless steel AISI304 5" Flange DN125 - 90-156 m3/h
ICSS0150SST	Hydrocyclone ICSS in stainless steel AISI304 6" Flange DN150- 138-222 m3/h
ICSS0200SST	Hydrocyclone ICSS in stainless steel AISI304 6" Flange DN200- 222-320 m3/h
ICSSA025SSC	Assembly kit with drain valve for hydrocyclone ICSS automatic in stainless steel AISI304 1" - 6-12 m3/h
ICSSA032SSC	Assembly kit with drain valve for hydrocyclone ICSS automatic in stainless steel AISI304 1 1/4"-1 1/2" - 9-13 - 12-18
ICSSA040SSC	Assembly kit with drain valve for hydrocyclone ICSS automatic in stainless steel AISI 304 2" - 15-25 m3/h
ICSSA050SSC	Assembly kit with drain valve for hydrocyclone ICSS automatic in stainless steel AISI 304 3" - 25-50 m3/h

## 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.

Eesmpio: 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 AISI304 1" - 5-10 m3/h
IRSS0040SSC	Hydrocyclone IRSS in stainless steel AISI304 1½" - 10-18 m3/h
IRSS0050SST	Hydrocyclone IRSS in stainless steel AISI304 2" male thread- 18-25 m3/h
IRSS0065SST	Hydrocyclone IRSS in stainless steel AISI304 2½" male thread- 25-35 m3/h
IRSS0080SST	Hydrocyclone IRSS in stainless steel AISI304 3" male thrad- 35-65 m3/h
IRSS0100SST	Hydrocyclone IRSS in stainless steel AISI304 4" male thrad- 65-110 m3/h
IRSS0125SST	Hydrocyclone IRSS in stainless steel AISI304 5" Flange DN125 - 110-150 m3/h





## RESIDENTIAL ULTRAFILTRATION AND MICROFILTRATION

MICROFILTRATION CARTRIDGES - BAYONET QUICK-FIT CARTRIDGES - MICROFILTRATION - QUICK-FIT  
BAYONET HEAD UF ULTRAFILTRATION CARTRIDGES

## MICROFILTRATION CARTRIDGES

### PURESTAR Micro Quick Fit Microfiltration carbon block cartridge 0,5 micron Quick Fit connection



Quick Fit filter with "Precoat" technology, powdered activated carbon (PAC). For the removal of flavors, odors, turbidity, chlorine, with 0.5 micron filtration degree. Antibacterial action. Intended use: Composite structure filter (dm 443/990 art. 2 paragraph 8) for drinking water refining. Do not use where water is microbiologically hazardous or of unknown quality without adequate disinfection upstream and after the system. PURESTAR filters guarantee high flow rates and autonomy as well as a low pressure drop. Key benefits: • Requires no electricity • Ideal for safe drinking and cooking • Disposable filter • Easy installations and replacements • Vertical installation • Improves the taste of water • Reduction of chlorine • Reduction of suspended particulates • Technology: Precoat, powdered activated carbon (PAC) • Filtration degree: 0.5 micron

The PURESTAR Micro Filter acts as a system double action filtering: • mechanical filtration action carried out by a polyethylene fiber membrane, with a large surface with a degree of 0.5 micron filtration, with special drain. It is guaranteed thus the retention of impurities and substances in suspension; • chemical adsorption action is carried out by the carbon active powder, obtained from the coconut, which eliminates excess chlorine present in the water and any toxic metals and compounds; Filter Height Diameter Flow Autonomy \*\*\*PURESTAR Micro 10 K 260 mm ø 79 mm 200 l / h \*\* 10,000 l \* PURESTAR Micro 15 K 375 mm ø 79 mm 350 l / h \*\* 15,000 l \* PURESTAR Micro 30 K 525 mm ø 79 mm 420 l / h \*\* 35,000 l \*\* For the calculation of the autonomies, the presence of 1 ppm of chlorine in the water to be treated is considered. \*\* Flow may vary depending on inlet pressure. We recommend the use of our model filter cartridges PURESTAR: • in the kitchen (under the sink) • points of withdrawal of water for food use; • as the last stage of filtration in systems of multiple filtration; Activation: it is advisable to let the water flow through the filter at maximum pressure and with maximum flow rate for a duration of 5 minutes in order to allow the air present in the cartridge to be purged \* Performance depends on quality incoming water; replace the cartridge when the autonomy is exhausted or when the flow becomes too slow or in any case no later than 6 months after installation. Minimum / maximum pressure: 1-7 bar (15-100 psi), non-shock Minimum / maximum water temperature: 3-30 ° C (36-92 ° F)

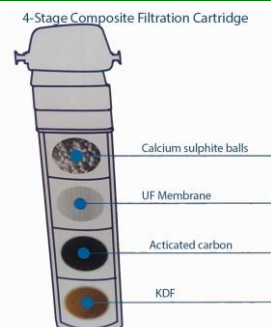
Ulteriori informazioni su questo testo di origine Per avere ulteriori informazioni sulla traduzione è necessario il testo di origine In via commenti Riquadri laterali

Item-Nr:	Description:
QCMF10BFHE4	Head for Purestar Micro 10K-15K-30K cartridges, without ferrule, 8 mm hose connection
QCMF10BFHE4G	Head for Purestar Micro 10K-15K-30K cartridges, with ferrule, 8 mm hose connection
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

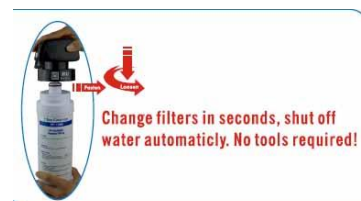
## QUICK-FIT BAYONET HEAD UF ULTRAFILTRATION CARTRIDGES

### Purestar QCMFB Quick connect 4-stage UF

### UF-Ultrafiltration 4-Stage quick connect cartridge



3"Connector



Features: Quick connect type  
Do not use with contaminated water or of unknown quality without adequate disinfection before the system QCMF10BF Special cartridge UF bayonet with 4 degrees of filtration:

1. Calcium sulfite balls: residual chlorine removal, adjustment of the pH, make the weak alkaline water
2. Activated carbon: able to effectively remove the odor, residual chlorine, organic material adsorbing
3. KDF: to treat the impurities of heavy metals, bacteriostatic
4. ultrafiltration membrane UF: for the deep removal of suspended solids do, colloids, particles, bacteria

Performances: Maximum life cycle: 9500 liters\*

Flow rate : 4 l/min \*

\* Performances depends on water quality; replace cartridge after life cycle end or whenever the flow becomes too slow, anyway not beyond 6 months from installation.

Minimum/Maximum pressure: 0.06 MPa (0.6 bar) / 0.6 MPa (6 bar) non shock

Minimum/Maximum temperature: 5°C (41°F) / 45°C (113°F)

Materials

Membrane hollow fibers: HDPE KDF: KDF activated carbon: granular activated carbon

Housing: polypropylene

O-ring: EPDM AP

Item-Nr:	Description:
QCMF10BF	Special cartridge UF quick connect 4-Stage of filtration flow rate 4 l/m w/ quick connect head
QCMF10BFHE3	3" quick connect head for QCMF10 4-stage filtration cartridge
QCMF10BFRE	Replacement cartridge for QCMF10 quick connect 4-Stage of filtration 4 l/m

## Purestar QCUF Quick connect UF cartridge

## UF-Ultrafiltration quick connect cartridge



Features: Quick connect type with contaminated water or of unknown quality without adhequate disinfection before the system  
 Do not use QCUF10BF Special cartridge UF bayonet ultrafiltration membrane UF: for the deep removal of suspended solids do, colloids, particles, bacteria

Performances: Maximum life cycle: 9500 liters\*  
 Flow rate : 5 l/min \*\* Performances depends on water quality; replace cartrdige after life cycle end or whenever the flow becomes too slow, anyway not beyod 6 months from installation. Minimum/Maximum pressure: 0.06 Mpa (0.6 bar) / 0.6 Mpa (6 bar) non shock  
 Minimum/Maximum temperature: 5°C (41°F) / 45°C (113°F)  
 Materials Membrane hollow fibers: HDPE

Item-Nr:	Description:
QCUF10BF	Special cartridge UF quick connect flow rate 5 l/m w/ quick connect head
QCUF10BFHE2	2" quick connect head for QCUF10 4-stage filtration cartridge
QCUF10BFRE	Replacement cartridge for QCUF10 quick connect flow rate filtration 5 l/m

## QC-Slim Quick connect BA Bayonet quick-fit cartridges, "Slim" type



Item-Nr:	Description:
QCCB10F	QC-Slim carbon block bayonet filter with quick connect head for UF ECO
QCCB10F00	QC-Slim carbon block bayonet filter (no head only filter) for UF ECO
QCGC10F	QC-Slim GAC granular carbon bayonet filter with quick connect head for UF ECO
QCGC10F00	QC-Slim GAC granular carbon bayonet filter (no head only filter) for UF ECO
QCPP10F	QC-Slim PP Sediment bayonet filter with quick connect head for UF ECO
QCPP10F00	QC-Slim PP Sediment bayonet filter (no head only filter) for UF ECO
QCUF10F	QC-Slim UF ultrafiltration bayonet filter bayonet filter with quick connect head for UF ECO
QCUF10F00	QC-Slim UF ultrafiltration bayonet filter (no head only filter) for UF ECO
XQC10HE	QC-Slim- Head for bayonet QC-Slim filters 1/4" FF connection for UF ECO Systems

## MICROFILTRATION

### MICRO-PURE CB-SI

Microfiltration sintered carbon block cartridges 0,5 micron (DOE)



This type of cartridge is made of a special mixture of activated carbon and molecular polymers pressed and synthesized, which alone can keep most chemical pollutants contained in water such as CHLORINE, PESTICIDES, ATHRASINE, CHLORURATE SOLVENTS, ORGANIC SUBSTANCES, BAD TASTES AND ODOURS etc. In addition, thanks to their inner porosity of 0,3 µm, they are featuring special ANTIBACTERIAL and BACTERIOSTATIC keeping even the smallest bacteria and preventing their proliferation, thus being suitable adaptandose perfettamenteamente à la depuración del agua cerca del punto de utilización

Item-Nr:	Description:
CS09SCXX10B	Microfiltration sintered carbon block cartridge 9¾" 0,4 µm

### MICRO-PURE PL 0.4 µm

Microfiltration pleated cartridges 0,4 micron antibacterial



MICRO PURE PL is the best choice for a good protection of membrane filter elements, the large filter area guarantees high dirt capacity and consequently a long life. A wide choice of filter media is available to make it suitable for several process applications. End-Cap configurations: • A1 (SX) = Double open ended with flat gaskets • C8 (BX) = O.R. 2-222 + capped - flat  
P8 = O.R. 2-222 + capped with spear C7 = O.R. 2-226 + bayonet - capped flat P7 = O.R. 2-226 + bayonet - capped with spear Standard nominal lengths: 10" = 250 mm 20" = 500 mm  
Structure materials: outer structure: polypropylene inner core: polypropylene end-caps: polypropylene Standard gasket material: Buna (ETP) Available gasket materials: Viton, Silicone, EPDM, PTFE

PL filter elements are provided with a multi-layer filter media with thermo-bonded fibres to prevent fiber release and contaminant downloading, most of them take advantage of polypropylene melt-blown microfibers to enhance filtration efficiency on very small particles. Main applications : • Sugar solution • Trap filters in breweries • Filtration and/or pre-filtration of wine • Rinse water • Spirits • Milk • Demineralised water • Fluids of ultra-sonic cleaning systems • Tank venting • Moisture in air

Item-Nr:	Description:
MF09MLXX2DOE	Micro-Pure PL 9¾" Multi-layer cartridge 0,4 µm DOE

## MICRO-PURE CERAMIC

Antibacterial ceramic cartridges rate 0,5 µm (DOE)



Item-Nr:	Description:
CE09CA049O	9¾" Ceramic microfiltration cartridge with silver-impregnated granular activated carbons Ø 49 DOE
CE09CA067O	9¾" ceramic microfiltration cartridge Ø 67 mm DOE
CE09CC067O	9¾" Silver impregnated ceramic cartridge with act.carbons Ø 67 DOE
CE09X5049S014	9¾" Ceramic candle Ø 49 mm short mount 1/4" M
CE09XX049O	9¾" Microfiltration Ceramic cartridge 0,5 µm Ø 49 (Slim) DOE



## CONTROL VALVES FOR SOFTENING AND FILTRATION

CLACK VALVES - APEX EZ-GZ-TZ SERIES VALVES - KS SERIES VALVES - FLECK SERIES VALVES - SIATA SERIES VALVES - MANUAL HEADS - PLASTIC DIAPHRAGM VALVES - HYDROPNEUMATIC VALVES IN CAST IRON - CHLORINE GENERATORS FOR WATER SOFTENERS - CSL SERIES VALVES



## CLACK VALVES

### VA-CL WS1CI

### Clack valves WS1CI metered 1"



Service @ 1 bar/15 psi drop : 102 lpm (includes meter and bypass  
Backwash @ 1.7 bar/25 psi drop bypass) : 102 lpm (includes bypass) Tank  
Applications: Softener: 6" 21" diam./Filter:6"21" diam.- Inlet/Outlet Fitting  
Connections 3/4" - 1.25" Male BSPT 3/4" - 1.5" Sweat 3/4" - 1.5" Solvent -  
Valve Material: Noryl - Cycles: up to 9 Regeneration: downflow/upflow -  
Operating pressure: 1.4 - 8.6 bar Operating temperature: 4°-43° C Meter:  
Flow Rate Range: 1 - 102 lpm -Volume Range (cubic meters): .10-2000  
m3 - Totalizer: yes

Distributor Pilot 1.050 O.D. Pipe -Drain Line Connection: 3/4" Male NPT  
Standard 1" Male NPT Optional - Brine Line Connection 3/8" or 1/2"  
O.D.Poly Tube Compression  
Mounting Base Options 2 1/2" - 8 NPSM - Height From Top of Tank  
187mm Shipping Weight 2 Kg 2 Electrical:  
Supply Voltage: 230V AC- Supply Frequency:50 Hz  
Output Voltage:12V AC Output Current:500 mA

Item-Nr:	Description:
V1CIDM--03A	Control valve Clack WS1CI 1600 electronic meter downflow w/accessories
V1CIDM--03B	Control valve Clack WS1CI 1700 electronic meter downflow w/accessories
V1CIDM--03FA	Control valve Clack WS1CI Filter electronic 3/4" drain fitting downflow w/accessories
V1CIDM--03FB	Control valve Clack WS1CI Filter electronic 1" drain fitting downflow w/accessories
V1CIUM--03A	Control valve Clack WS1CI 1600 electronic meter upflow w/accessories
V1CIUM--03B	Control valve Clack WS1CI 1700 electronic meter upflow w/accessories

### VA-CL WS1TC

### Clack valves WS1TC time 1"



Service @ 1 bar/15 psi drop : 102 lpm (includes meter and bypass  
Backwash @ 1.7 bar/25 psi drop bypass) : 102 lpm (includes bypass) Tank  
Applications: Softener/Filter: 6" - 21" diameter Inlet/Outlet Fitting  
Connections 3/4" - 1.25" Male BSPT 3/4" - 1.5" Sweat 3/4" - 1.5" Solvent -  
Valve Material: Noryl - Cycles: up to 9 Regeneration: downflow/upflow -  
Operating pressure: 1.4 - 8.6 bar Operating temperature: 4°-43° C

Distributor Pilot 1.050 O.D. Pipe -Drain Line Connection: 3/4" Male NPT  
Standard 1" Male NPT Optional - Brine Line Connection 3/8" or 1/2"  
O.D.Poly Tube Compression  
Mounting Base Options 2 1/2" - 8 NPSM - Height From Top of Tank  
187mm Shipping Weight 2 Kg 2 Electrical:  
Supply Voltage: 230V AC- Supply Frequency:50 Hz  
Output Voltage:12V AC Output Current:500 mA

Item-Nr:	Description:
V1TCM--031FA	Control valve Clack WS1TC Filter electronic 3/4" time downflow w/accessories



V1TCM--031FB	Control valve Clack WS1TC Filter electronic 1" time downflow w/accessories
V1TCM--03A	Control valve Clack WS1TC 1600 electronic time downflow w/accessories
V1TCM--03B	Control valve Clack WS1TCI 1700 electronic time downflow w/accessories

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

## Clack WS1.25CI metered 1,25"



Service @ 1 bar/15 psi drop : 129 lpm (includes meter and bypass)  
Backwash @ 1.7 bar/25 psi drop bypass) : 121 lpm (includes bypass) Tank  
Applications: Softener : 6" - 21" diam./Filter 6"-24" diam. - Inlet/Outlet  
Fitting Connections 3/4" - 1.25" Male BSPT 3/4" - 1.5" Sweat 3/4" - 1.5"  
Solvent - Valve Material: Noryl - Cycles: up to 9 Regeneration: downflow -  
Operating pressure: 1.4 - 8.6 bar Operating temperature: 4°-43° C Meter:  
Flow Rate Range: 0,25 - 129 lpm -Volume Range (cubic meters): .500-250  
m3 - Totalizer: yes

Distributor Pilot: 32 mm O.D.Pipe -Drain Line Connection: 3/4" Male NPT  
Standard 1" Male NPT Optional - Brine Line Connection 3/8" or 1/2"  
O.D.Poly Tube Compression  
Mounting Base Options 2 1/2" - 8 NPSM - Height From Top of Tank  
187mm Shipping Weight 2 Kg 2 Electrical:  
Supply Voltage: 230V AC- Supply Frequency:50 Hz  
Output Voltage:12V AC Output Current:500 mA

Item-Nr:	Description:
V1.25CIDM--03A	Control valve Clack WS1.25CI 1600 electronic meter downflow w/accessories
V1.25CIDM--03B	Control valve Clack WS1.25CI 1700 electronic meter downflow w/accessories
V1.25CIDM--03FA	Control valve Clack WS1.25CI Filter electronic 3/4" drain downflow w/accessories
V1.25CIDM--03FB	Control valve Clack WS1.25CI Filter electronic 1" drain downflow w/accessories
V125CIUMF-M08A	Control valve Clack WS1.25CI 1600 electronic meter upflow w/accessories

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

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



Service @ 1 bar/15 psi drop : 129 lpm (includes meter and bypass)  
Backwash @ 1.7 bar/25 psi drop bypass) : 121 lpm (includes bypass) Tank  
Applications: Softener : 6" - 21" diam./Filter 6"-24" diam. - Inlet/Outlet  
Fitting Connections 3/4" - 1.25" Male BSPT 3/4" - 1.5" Sweat 3/4" - 1.5"  
Solvent - Valve Material: Noryl - Cycles: up to 9 Regeneration: downflow -  
Operating pressure: 1.4 - 8.6 bar Operating temperature: 4°-43° C Meter:  
Flow Rate Range: 0.25 - 129 lpm -Volume Range (cubic meters): .500-250  
m3 - Totalizer: yes

Distributor Pilot: 32 mm O.D.Pipe -Drain Line Connection: 3/4" Male NPT  
Standard 1" Male NPT Optional - Brine Line Connection 3/8" or 1/2"  
O.D.Poly Tube Compression  
Mounting Base Options 2 1/2" - 8 NPSM - Height From Top of Tank  
187mm Shipping Weight 2 Kg 2 Electrical:  
Supply Voltage: 230V AC- Supply Frequency:50 Hz  
Output Voltage:12V AC Output Current:500 mA

Item-Nr:	Description:
V1.25TCDM--03A	Control valve Clack WS1.25TC 1600 electronic time downflow w/accessories
V1.25TCDM--03B	Control valve Clack WS1.25TC 1700 electronic time downflow w/accessories
V1.25TCDM--03FA	Control valve Clack WS1.25TC Filter electronic 3/4" drain downflow w/accessories
V1.25TCDM--03FB	Control valve Clack WS1.25TC Filter electronic 1" drain downflow w/accessories

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

Clack valves WS1.5CI 1,5"



Service @ 1 bar/15 psi drop : 227 lpm (includes meter and bypass)  
Backwash @ 1.7 bar/25 psi drop bypass) : 189 lpm (includes bypass) Tank  
Applications: Softener : 12"-24" diam./Filter 12"-30" diam. - Inlet/Outlet  
Fitting Connections: 1.5" female BSPT or NPT Valve Material: Lead free  
brass - Cycles: up to 9 Regeneration: downflow - Operating pressure: 1.4 -  
8.6 bar Operating temperature: 4°-43° C Meter:  
Flow Rate Range: 0.25 - 129 lpm -Volume Range (cubic meters): .500-250  
m3 - Totalizer: yes

Distributor Pilot: 50 mm O.D.Pipe -Drain Line Connection: 1.25"Female  
NPT with 3/4" Male NPT Standard  
1" Male NPT Optionall - Brine Line Connection 3/4 female NPT 1/2"  
O.D.Poly Tube Compression  
Mounting Base Options 4" - 8 NPSM - Height From Top of Tank 191mm  
Shipping Weight 9,5 Kg 2 Electrical:  
Supply Voltage: 230V AC- Supply Frequency:50 Hz  
Output Voltage:12V AC Output Current:500 mA

Item-Nr:	Description:
V1.5CIAM	Control valve Clack WS1.5CI 1600 electronic meter downflow w/accessories
V1.5CIAT	Control valve Clack WS1.5CI 1600 electronic time downflow w/accessories
V1.5CIBM	Control valve Clack WS1.5CI 1700 electronic meter downflow w/accessories
V1.5CIBT	Control valve Clack WS1.5CI 1700 electronic time downflow w/accessories

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

## Clack valves WS1.5PCI 1,5" in plastic



- 1.5" top mount control valve suited for mid-size commercial/industrial applications
- Glass filled composite
- Economical plastic optional meter assembly
- Service flow rate of 227 lpm (13.6 m<sup>3</sup>/h) (60 gpm), backwash 163 lpm (9.8 m<sup>3</sup>/h) (43 gpm)
- Upflow/downflow brining field convertible
- Solid state microprocessor with easy access front panel settings
- Front panel display for time of day, days until next regeneration, volume remaining and current flow rate
- Four methods to initiate a regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Program in ppm, French degrees, German degrees, or cubic meters
- Fully programmable regeneration cycle sequence (maximum 9)
- Programmable regeneration cycle times
- Days override feature; 1-28 days available
- Level VI 15-volt output DC power supply provides safe and easy installation
- Pre or Post treated water regenerant refill
- Low salt alarm
- Coin cell lithium battery backup for time of day up to 24 hours
- Patented one piece expanding seal spacer stack assembly U.S. Patent 6,402,944
- Patented linearly reciprocating piston operation U.S. Patent 6,444,127
- Reliable and proven DC driv

Inlet/Outlet (1): 1.5" Male BSPT or NPT  
Cycles :up to 9  
Valve Material: Glass filled composite  
Regeneration: Downflow/Upflow  
**CONTROL VALVE FLOW RATES**  
Service @ 1 bar/15 psi drop (includes meter) : 227 lpm (13.6 m<sup>3</sup>/h) (60 gpm) - Backwash @ 1.7 bar/25 psi drop : 163 lpm (9.8 m<sup>3</sup>/h) (43 gpm)  
**OPERATING PRESSURES**  
Minimum/Maximum : 1.4 - 8.6 bar (20 - 125 psi)  
**OPERATING TEMPERATURES**  
Minimum/Maximum : 4° - 43° C (40° - 110° F)  
**DIMENSIONS & WEIGHT**  
Distributor Pilot  
Valve bodies with 1.5" Female BSPT Inlet & Outlet :50 mm OD  
Valve bodies with 1.5" Female NPT Inlet & Outlet : 1.90" OD (1.5" NPS)  
Drain Line Connection : 1" Male Elbow BSPT or NPT Elbow  
Brine Line Connection : ½" OD Poly Tube Compression  
Mounting Base : 4" - 8 UN  
Height From Top Of Tank : 74 mm (10.75")  
Shipping Weight : 4.1 kg (9 lbs.)  
**ELECTRICAL SPECIFICATIONS POWER SUPPLY**  
U.S. International  
Supply Voltage 100VAC to 120VAC - 200VAC to 240VAC  
Supply Frequency : 50/60 Hz - 50/60 Hz  
Output Voltage : 15VDC Output Current : 500 mA  
**TANK APPLICATIONS**  
Water Softener : 12" - 24" Diameter  
Water Filter (2) : 12" - 24" Diameter

Item-Nr:	Description:
V1.5PCIAM	Control valve Clack WS1.5CI plastic 1600 electronic meter downflow w/accessories
VP15CIDMX-05K17	Control valve Clack WS1.5CI plastic 1700 electronic meter downflow w/accessories
VP15CIDTF-05	Control valve Clack WS1.5CI plastic FILTER electronic meter downflow w/accessories

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

## Clack valves WS2CI - 2"



Service @ 1 bar/15 psi drop : 435 lpm - Backwash @ 1.7 bar/25 psi drop (bypass) : 303 lpm Tank Applications: Softener : 12"-48" diam./Filter 12"-36" diam. - Inlet/Outlet Fitting Connections: 2" female BSPT or NPT Valve Material: Lead free brass - Cycles: up to 9 Regeneration: downflow - Operating pressure: 1.4 - 8.6 bar Operating temperature: 4°-43° C Meter: Flow Rate Range: 0,25 - 129 lpm -Volume Range (cubic meters): .500-250 m3 - Totalizer: yes

Distributor Pilot: 50 mm O.D.Pipe -Drain Line Connection: 1.5"Female NPT - Brine Line Connection 1"Male NPT elbow  
3/4" x 1" Solvent elbow  
1/2" O.D. Poly Tube  
Compression  
Mounting Base Options 4" - 8 NPSM - Height From Top of Tank 216 mm  
Shipping Weight 13 Kg Electrical:  
Supply Voltage: 230V AC- Supply Frequency:50 Hz  
Output Voltage:12V AC Output Current:500 mA

Item-Nr:	Description:
V2CIAM	Control valve Clack WS2CI 1600 2" electronic meter downflow w/accessories
V2CIAT	Control valve Clack WS2CI 1600 2" electronic time downflow w/accessories
V2CIBM	Control valve Clack WS2CI 1700 2" electronic meter downflow w/accessories
V2CIBT	Control valve Clack WS2CI 1700 2" electronic time downflow w/accessories
V2CIFF	Control valve Clack WS2CI Filter 2" electronic downflow w/accessories

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



### Accessories included in the softener version

- Version TOP MOUNT 4" or 6" : Adapter Head Assembly - V3055 6" Flanged or V3064-BSPT 4" thread (distributor pipe Ø 63) • SIDE MOUNT Version: Side mounting adapter 2" BSPT - V3260BSPT-02
- Transformer - V3186EU - DLFC (for version 1700) - V3190-XXX
- Air Check ½" - BSAC1700ST (version 1700) • Drain connection 1" - V3008-05 (version 1700) • Water meter V3076 (metered version only)

### Accessories included in the Filter Version

- Version TOP MOUNT 4" or 6" : Adapter Head Assembly - V3055 6" Flanged or V3064-BSPT 4" thread (distributor pipe Ø 63) • SIDE MOUNT Version: Side mounting adapter 2" BSPT - V3260BSPT-02 V3162-XXX
- V3190-XXX Drain connection 1 ½" - V3080BSPT
- Transformer • Version TOP MOUNT 4" or 6" : Adapter Head Assembly r 6" Flanged - V3055 or V3064-BSPT (for distributor pipe Ø 63) • SIDE MOUNT Version: Side mounting adapter 2" BSPT V3260BSPT-Transformer V3186EU

Vanne de control à montage supérieur ou latéral de 2" adaptée aux applications commerciales / industrielles • Corps de vanne en laiton sans plomb revêtu d'époxy • Ensemble de compteur en acier inoxydable économique en option • Débit de service de 473 l / min (28,4 m3 / h) (125 gpm), lavage à contre-courant 322 l / min (19,3 m3 / h) (85 gpm) • Microprocesseur à semi-conducteurs avec accès facile aux paramètres du panneau avant • Affichage du panneau avant pour l'heure, jours jusqu'à la prochaine régénération, volume restant et débit actuel • Quatre méthodes pour lancer la régénération ; compteur immédiat, compteur retardé, horodateur retardé ou pression différentielle • Programme en ppm, degrés français, degrés allemands ou mètres cubes • Séquence de cycle de régénération entièrement programmable (maximum 9) • Durées de cycle de régénération programmables • Fonction de dérogation des jours ; 1 à 28 jours disponibles • Pile bouton au lithium de secours avec un report de 24 heures • L'adaptateur secteur de sortie 12 volts permet une installation sûre et facile • Recharge d'eau régénérante pré ou post-traitée • Horloge 24 heures • Entraînement CC fiable et éprouvé • Ensemble d'empilement d'entretoises à joint expansible breveté en une seule pièce U.S. Brevet 6 402 944 • Fonctionnement breveté du piston à mouvement alternatif linéaire U.S. Brevet 6 444 127

Inlet/Outlet 2" Female BSPT or NPT Cycles : up to 9 Valve Material. : Lead free brass Regeneration : Downflow CONTROL VALVE Flow Rate Service @ 1 bar/15 psi drop 473 lpm (28.4 m3/h) (125 gpm) Backwash @ 1.7 bar/25 psi drop. 322 lpm (19.3 m3/h) (85 gpm) Cv Service.: 32.3 Cv Backwash : 17.0 Operating Pressures Minimum/Maximum 1.4 - 8.6 bar (20 psi - 125 psi) Operating Temperatures Minimum/Maximum 4° - 43° C (40° - 110° F) Meter Specifications Accuracy ± 5% Flow Rate Range 5.7 - 568 lpm (1.5 - 150 gpm) Volume Range .002 - 5,700 m3 Totalizer.1 - 99,999 m3 (264 - 26,417,000 gallons) Dimensions & Weight Distributor Pilot Valve bodies with 2" Female BSPT Inlet & Outlet 63mm OD Valve bodies with 2" Female NPT Inlet & Outlet 2.37" OD (2" NPS) Drain Line Connection 1.5" Female NPT Brine Line Adapters Included 1" Male NPT elbow, ¾" x 1" solvent weld elbow and 1/2" OD Poly Tube Compression Mounting Base. 4 - 8 UN, 6" Flange or Side Mount Height From Top Of Tank with 4" - 8 UN QC Base 284.5mm (11.2") Height From Top Of Tank with 6" Flange QC Base. 287mm (11.3") Shipping Weight With Meter 14 Kg (30 lbs.) Electrical Specifications AC Adapter Supply Voltage 230V AC 120V AC Supply Frequency 50 Hz-60 Hz Output Voltage 12V AC- 12V AC Output Current 500 mA 500 mA Tank Applications Water Softener diameter 12" - 48" diameter Water Filter diameter 12" - 36" Cycles of Operation Choose up to nine regeneration cycles, in any order, with a wide range of available values: Cycle Range of values Backwash 1 - 120 minutes Rinse 1 - 120 minutes Pause (service) 1 - 480 minutes Brine (co-current) 1 - 180 minutes Refill (softener) 0.1 - 99.0 minutes Refill (filter) 0.1 - 99.0 minutes

Item-Nr:	Description:
V2CIQCBMSM	Control valve Clack WS2CI QC version 1700 in/out port 2" SIDE MOUNT electronic meter downflow
V2CIQCBMTM	Control valve Clack WS2CI QC version 1700 in/out port 2" TOP MOUNT electronic meter downflow
V2CIQCBTSM	Control valve Clack WS2CI QC version 1700 in/out port 2" SIDE MOUNT electronic time controlled downflow
V2CIQCBTTM	Control valve Clack WS2CI QC version 1700 in/out port 2" TOP MOUNT electronic time controlled downflow
V2CIQCFTSM	Control valve Clack WS2CI QC version FILTER in/out port 2" SIDE MOUNT electronic time controlled downflow
V2CIQCFTTM	Control valve Clack WS2CI QC version FILTER in/out port 2" TOP MOUNT electronic time controlled downflow

## VA-CL WS3 3" in/out

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



3" top mount or side mount control valve suited for commercial and industrial applications

- Lead free brass valve body
- Economical stainless steel optional meter assembly
- Service flow rate 250 gpm (946 lpm) (56.8 m<sup>3</sup>/h), Backwash flow rate 220 gpm (833 lpm) (50.0 m<sup>3</sup>/h)
- Solid state microprocessor with easy access front removable POD
- Front panel display for Time of Day, Current Flow Rate, Totalizer and Volume/Days until Regeneration
- Four methods to initiate the down flow regeneration; meter delayed, meter immediate, time clock delayed, or pressure differential
- Fully programmable regeneration cycle sequences (maximum 9)
- Fully programmable regeneration cycle times
- Pre or Post treated water regenerant refill
- Days override feature; 1-28 days available
- Capacitor back-up with up to 24 hour carry over
- 20-volt output AC adapter provides safe and easy installation
- Reliable and proven DC drive

Inlet/Outlet (1).....3" Female NPT or BSPT  
Cycles..... up to 9  
Valve Material..... Lead free brass  
Regeneration..... Downflow  
CONTROL VALVE Flow Rate S  
Service @ 15 psi/1 bar drop. .... 250 gpm (946 lpm) (56.8 m<sup>3</sup>/h)  
Backwash @ 25 psi/1.7 bar drop..... 220 gpm (833 lpm) (50.0 m<sup>3</sup>/h)  
Cv Service..... 64.6  
Cv Backwash..... 44.0  
Operating Pressures  
Minimum/Maximum..... 20 - 125 psi (1.4 - 8.6 bar)  
Operating Temperatures  
Minimum/Maximum..... 40° - 110° F (4o - 43o C)

### Meter SPECIFICATIONS

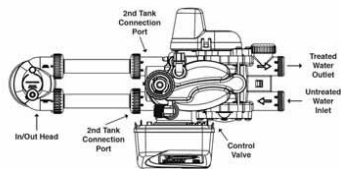
Accuracy..... ± 5%  
Flow Rate Range..... 3.5 - 350 gpm (13.3 - 1325 lpm)  
Volume Range..... 999,000 gallons (38 - 3,796.2 liters x1000)  
Totalizer 1,000 - 999,999,000 gallons (3,786 - 3,785,407.9 liters x1000)  
Dimensions & Weight  
Distributor Pilot  
Valve Bodies with 3" Female NPT Inlet & Outlet..... 3.5" OD (3" NPS)  
Valve Bodies with 3" Female BSPT Inlet & Outlet..... 90mm OD  
Drain Line Connection .....3" Female NPT/BSPT "No Groove Lock"  
Brine Line Adapters Included. 1" Male NPT elbow & ¾" x 1" solvent weld elbow  
Mounting Base.....  
6" Flange or Side Mount  
Height From Top Of Tank with 6" Flange QC Base.....12.5" (318mm)  
Shipping Weight Without Optional Meter..... 57 lbs (25.9 Kg)  
Electrical Specifications  
AC Adapter  
Supply Voltage.....120V AC..... 230V AC  
Supply Frequency.....60 Hz..... 50Hz  
Output Voltage.....20V AC..... 20V AC  
Output Current.....750 mA..... 750mA  
Tank Applications  
Water Softener.....18" - 63" Diameter  
with standard injectors, to 96" with Brine Pump  
Water Filter (2)..... 18" - 63" Diameter  
Cycles of Operation  
Choose up to nine regeneration cycles, in any order, with a wide range of available values: Cycle Range of values  
Backwash..... 1 - 95 minutes  
Brine (draw)..... 1 - 180 minutes  
Slow Rinse..... 1 - 95 minutes  
Fast Rinse..... 1 - 95 minutes  
Refill ..... 0.1 - 99 minutes

Item-Nr:	Description:
V3HHFTTM	Control valve Clack WS3 FILTER in/out port 3" TOP MOUNT electronic time control downflow w/accessories
V3HHNFTSM	Control valve Clack WS3 FILTER in/out port 3" SIDE MOUNT electronic time control downflow w/accessories
V3HHNMSM	Control valve Clack WS3 in/out port 3" SIDE MOUNT electronic meter downflow w/accessories
V3HHNMTM	Control valve Clack WS3 in/out port 3" TOP MOUNT electronic meter downflow w/accessories
V3HHNTSM	Control valve Clack WS3 in/out port 3" SIDE MOUNT electronic time control downflow w/accessories
V3HHNTTM	Control valve Clack WS3 in/out port 3" TOP MOUNT electronic time control downflow w/accessories



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

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



MAV Motorized Alternated System (Duplex) coming with 2 x control valves WS1CI 1" with all accessories and 1 x 3-way MAV Motorized Alternated Valve

MAV V3069MM includes elbow vertical fittings V3191-01

MAV V3069FF includes inlet/outlet fitting 1" V3007-06

Accessories included:

- Upper basket
- Lower basket
- Riser tube Ø 27 - Adapter V3186EU
- Drain ring nut - V3192
- Insert PKP10TS8-BULK

- DLFC (for elbow 3/4" - Version 1600) - V3162-XX
- DLFC (for straight drain fitting 1" - Version 1700) - V3190-XX
- Air-check 3/8" - (Version 1600)
- Air-check 1/2" - (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter 1/2" (Version 1700)
- Elbow fitting da 3/8" (Version 1600)
- Inlet/outlet fitting 1" Male BSP - V3007-06

Item-Nr:	Description:
V4052-01	V4052-01 Adapter for tanks 12"-21" Clack WS1TT Twin
VTT1CIDXM03K16	Clack WS1TT Twin Alternated valve 1" - Air Check 3/8"
VTT1CIDXM03K17	Clack WS1TT Twin Alternated valve 1" - Air Check 1/2"

## VA-CL MAV WS1 -1" in/out

## Motorized Alternated System Clack valves WS1CI 1" in/out



MAV Motorized Alternated System (Duplex) coming with 2 x control valves WS1CI 1" with all accessories and 1 x 3-way MAV Motorized Alternated Valve

MAV V3069MM includes elbow vertical fittings V3191-01

MAV V3069FF includes inlet/outlet fitting 1" V3007-06

Accessories included:

- Upper basket
- Lower basket
- Riser tube Ø 27 - Adapter V3186EU
- Drain ring nut - V3192
- Insert PKP10TS8-BULK

- DLFC (for elbow 3/4" - Version 1600) - V3162-XX
- DLFC (for straight drain fitting 1" - Version 1700) - V3190-XX
- Air-check 3/8" - (Version 1600)
- Air-check 1/2" - (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter 1/2" (Version 1700)
- Elbow fitting da 3/8" (Version 1600)
- Inlet/outlet fitting 1" Male BSP - 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



MAV Motorized Alternated System (Duplex) coming with 2 x control valves WS1.25CI 1 1/4" with all accessories and 1 x 3-way MAV Motorized Alternated Valve

MAV V3069MM includes elbow vertical fittings V3191-01

MAV V3069FF includes inlet/outlet fitting 1" V3007-06

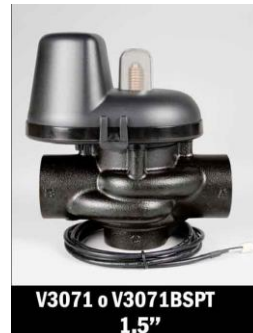
Accessories included:

- Upper basket
- Lower basket
- Riser tube Ø 27 - Adapter V3186EU
- Drain ring nut - V3192
- Insert PKP10TS8-BULK

- DLFC (for elbow 3/4" - Version 1600) - V3162-XX
- DLFC (for straight drain fitting 1" - Version 1700) - V3190-XX
- Air-check 3/8" - (Version 1600)
- Air-check 1/2" - (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter 1/2" (Version 1700)
- Elbow fitting da 3/8" (Version 1600)
- Inlet/outlet fitting 1" Male BSP - V3007-06

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 1600 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



MAV Motorized Alternated System (Duplex) coming with 2 x control valves WS1.5CI 1 1/2" with all accessories and 1 x 3-way MAV Motorized Alternated Valve in brass Part No. V3071BSPT for WS1.5CI valve

Accessories included:

- Upper basket -Ø 50 mm
- Lower basket Ø 50 x 1810 mm
- Adapter V3186EU
- Drain ring nut - V3192
- Insert PKP10TS8-BULK (Version 1600)

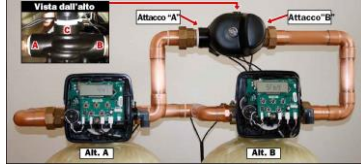
- DLFC (for elbow 3/4" - Version 1600) - V3162-XX
- DLFC (for straight drain fitting 1" - Version 1700) - V3190-XX
- Air-check 3/8" - (Version 1600)
- Air-check 1/2" - (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter 1/2" (Version 1700)
- Elbow fitting da 3/8" (Version 1600)
- Meter assy 1 1/2 in brass with cable 4 m - V3040BSPT-15

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



MAV Motorized Alternated System (Duplex) coming with 2 x control valves WS1.5P CI 1 1/2" with all accessories and 1 x 3-way MAV Motorized Alternated Valve in brass Part No. V3034 for WS1.5CI valve

Accessories included:

- Upper and lower basket -Ø 50 mm
- Riser pipe Ø 50 x 1810 mm

- Adapter V3186EU
- DLFC (for straight drain fitting 1" - Version 1700) - V3190-XX
- Air-check 1/2" - (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter 1/2" (Version 1700)
- Meter assy 1 1/2 in plastic with cable 4 m - V3045BSPT-15

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

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

## Motorized Alternated System Clack valves 2" WS2CI



MAV Motorized Alternated System (Duplex) coming with 2 x control valves WS2CI 2" with all accessories and 1 x 3-way MAV Motorized Alternated Valve in brass Part No. V3076BSPT for WS2CI valve

Accessories included:

- Upper basket -Ø 50 mm
- Lower basket Ø 50 x 1810 mm
- Adapter V3186EU
- Drain ring nut - V3192
- Insert PKP10TS8-BULK (Version 1600)

- DLFC (for elbow 3/4" - Version 1600) - V3162-XX
- DLFC (for straight drain fitting 1" - Version 1700) - V3190-XX
- Air-check 3/8" - (Version 1600)
- Air-check 1/2" - (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter 1/2" (Version 1700)
- Elbow fitting da 3/8" (Version 1600)
- Meter assy 1 1/2 in brass with cable 4 m - V3040BSPT-15

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 WS3 - 3" in/out Motorized Alternated System Clack WS3 - Inlet/Outlet 3"



MAV Motorized Alternated System (Duplex) coming with 2 x control valves WS2CI 2" with all accessories and 1 x 3-way MAV Motorized Alternated Valve in brass Part No. V3076BSPT for WS2CI valve

Accessories included:

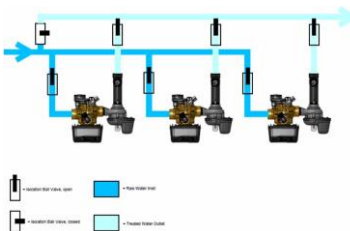
- Upper basket -Ø 50 mm
- Lower basket Ø 50 x 1810 mm
- Adapter V3186EU
- Drain ring nut - V3192
- Insert PKP10TS8-BULK (Version 1600)

- DLFC (for elbow 3/4" - Version 1600) - V3162-XX
- DLFC (for straight drain fitting 1" - Version 1700) - V3190-XX
- Air-check 3/8" - (Version 1600)
- Air-check 1/2"- (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter 1/2" (Version 1700)
- Elbow fitting da 3/8" (Version 1600)
- Meter assy 1 1/2 in brass with cable 4 m - V3040BSPT-15

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

## CLACK SYSTEM CONTROLLER

## CLACK SYSTEM CONTROLLER - multi-valve control unit - PRICES ON REQUEST



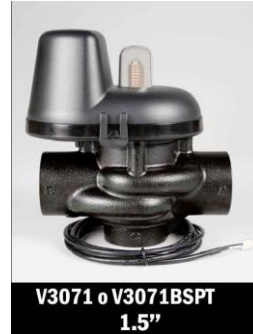
You can make the choice! Progressive Flow - Alternating - Series - Random... -System Controller may operate 2 - 6 units  
 "Clack 1.0", 1.25", 1.5" or 2" control valves may be used  
 • No plug-in AC Adapters are required on individual valves, all connected valves will be powered by the System Controller  
 • System diagnostic and programming information for spreadsheet presentation may be uploaded to a standard USB drive  
 • Two fused Single Pole Double Throw (SPDT) relay outputs are provided  
 • Single demand-based meter output is provided  
 • Coin cell lithium battery backup for time of day  
 • Solid state microprocessor with user-friendly front panel programming  
 • Front panel displays for time of day, day of week, days until next regeneration, current system flow rate, and total system volume used (Totalizer)  
 • Front panel LED status indicators for Online, Standby, and Regeneration

Operating Temperatures  
 Minimum/Maximum..... 40° - 110° F (4o - 43o C)  
 Dimensions & Weight  
 Shipping Box..... 15.5" L x 12.25" W x 6.5" H  
 Shipping Weight..... 8.5 lbs.  
 Electrical Specifications  
 U.S. International  
 Order Numbers..... V3030..... V3030-01  
 Supply Voltage (±10% of Nominal)..... 120V AC- 230V AC  
 Supply Frequency..... 60 Hz-50Hz  
 Output Voltage (Nominal) -12V AC - 12V AC  
 Output Current (max per valve) -0.5A - 0.5A  
 Tank Applications  
 Operate 2 - 6 units  
 Water Softener - 6" - 48" Diameter  
 Water Filter (1) . 6" - 36" Diameter  
 Operate 2 - 6 units  
 Water Softener - 6" - 48" Diameter  
 Water Filter (1) . 6" - 36" Diameter

Item-Nr:	Description:
V3030-01	Clack multi-valve control unit
V3030-PC	Power cable for 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)

## CL-MAV

## CLACK MAV Motorized Alternated Valves 3-way

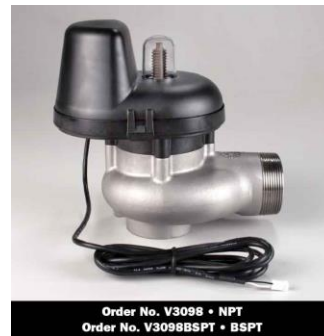
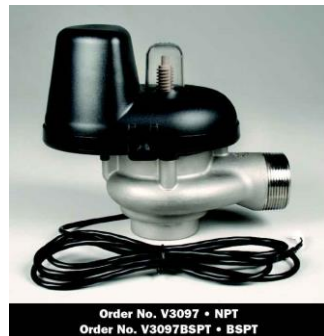


Item-Nr:	Description:
V3034	WS1.5 Plastic Motorized Alternating Valve MAV
V3069FF	MAV WS1/1.25 Clack Motorized Alternating Valve Female x Female 3-Wire
V3069MM	MAV WS1/1.25 Clack Motorized Alternating Valve Male x Male 3-Wire
V3071BSPT	MAV WS1.5 Clack Motorized Alternating Valve Female x Female in brass
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)



## CL-NHWP

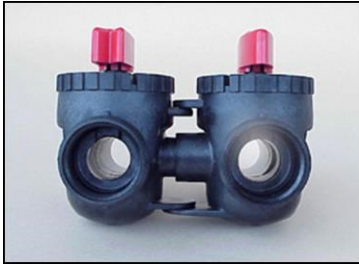
## CLACK NHWP No Hard Water By Pass Motorized Valves



Item-Nr:	Description:
V3035	WS1.5 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



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



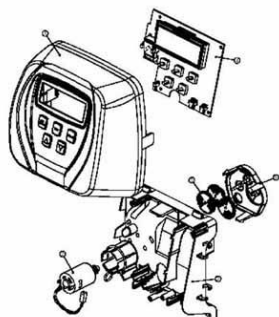
Item-Nr:	Description:
V3006	Bypass assembly for Clack valves WS1-WS1.25
V3007	WS1 straight fitting 1" Plastic Male BSPT (right angle) assy. (24 per box)
V3007-06	WS1 straight fitting 1" Plastic Male BSPT assy. (24 per box)
V3007-08	WS1-WS1.25 straight fitting 1¼" Plastic Male BSPT assy. (24 per box)
V3007-14	WS1 straight fitting ¾ Plastic Male BSPT assy. (24 per box)
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
V3090	TOP MOUNT adapter for Clack valves Flange 6"
V3186EU	Transformer EU-pin 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
V3260BSPT-02	SIDE MOUNT adapter for Clack valves WS2H / WS2QC
V3414	Ws1.5 Adapter for drain Fitting 1" for Clack valve 1½"
V3674BSPT-02	SIDE MOUNT adapter for Clack valves WS3
V4430-02	WS15P Fitting Assembly QC to BSPT
V4430QC	WS15P Fitting Assembly QC to QC



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

Disegno No.	Codice	Descrizione	Quantità
1	V3175CI-01	ASS. Frontale WS1CI	1
2	V3107-01	Motori WS1	1
3	V3106-01	Alcune Ingranaggi e Cile a Modulo WS1	1
4	V3108CI	Scheda PC WS1CI	1
5	V3110	Ingranaggio 12x36 WS1	2
6	V3109	Copricchio Ingranaggi WS1	1
7	V3005CI	ASS. Ingranaggi WS1CI	1

\* I componenti con No. Disegno da 2 a 6 possono essere acquistati come assieme completo, codice V3005CI.

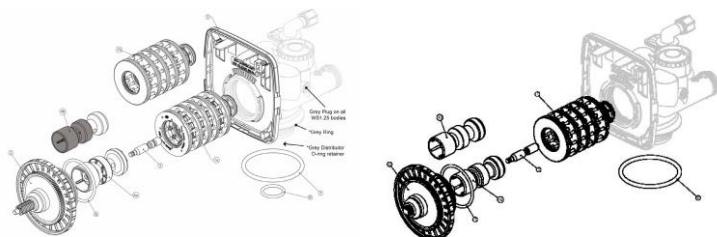


### CLACK-Board Spare parts WS1CI -WS1.5CI

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	cheda elettronica valvola WS1CI-WS1.25CI-WS1.5CI-WS2CI
4-V3108TCBOARD	BOARD WS1TC-WS1.25TC
5-V3110	WS1 Drive Reducing Gear 12x36
6-V3109	WS1 Drive Gear Cover

## CLACK-Drive cap,pistons,spacer WS1

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



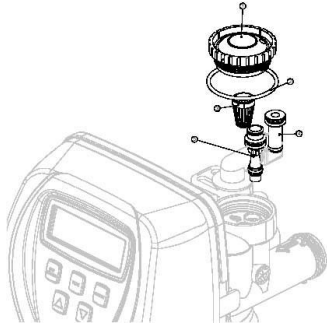
Disegno No.	Codice	Descrizione	Quantità
1	V3005	Assieme Distanziale WS1	1
2	V3004	ASS. Copricchio Ingranaggi	1
3	V3135	O-ring 228	1
4a	V3011*	ASS. Pistone squalcorrente WS1	1
4b	V3011-01*	ASS. Pistone controcorrente WS1	1
5	V3174	Pistone Regenerante WS1	1
6	V3180	O-ring 337	1

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

### 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

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



CLACK-Board Spare parts WS1CI -WS1.5CI

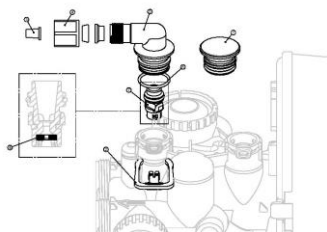
Item-Nr:	Description:
1-V3176	Injector cap Clack WS1
2-V3152	O-ring 135 injector cap
3-V3177	injector screen WS1
5-V3010-1A	WS1 injector assy black 6"
5-V3010-1B	WS1 injector assy brown (7")
5-V3010-1C	WS1 injector assy violet (8")
5-V3010-1D	WS1 injector assy red (9")
5-V3010-1E	WS1 injector assy white (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-V3010-2I	WS2/2H/3 Injector Assembly A - 63" downflow
V3170	WS1 injector assy light blue (18")

V3171

upper O-ring 013

## CLACK-Refill spare parts

## Refill and refill port plug



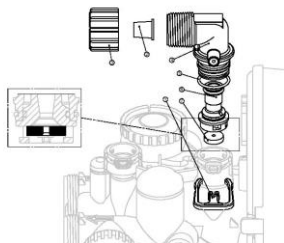
CLACK-Board Spare parts WS1CI -WS1.5CI

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 WS1.5CI

Disegno No.	Codice	Descrizione	Quantità
1	V3175V101	ASS. Frontale WS1CI	1
2	V3107-01	Motore WS1	1
3	V3108-01	Valvola Ingranaggio a Cilindro Molla WS1	1
4	V3108CI	Scheda PC WS1CI	1
5	V3110	Ingranaggio 12x36 WS1	2
6	V3109	Copertina Ingranaggio WS1	1
7	V3002CI	ASS. Ingranaggio WS1CI	1

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



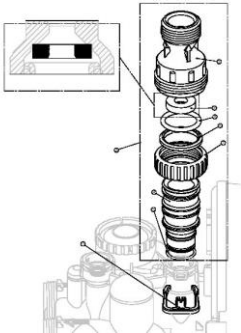
CLACK-Board Spare parts WS1CI -WS1.5CI

Item-Nr:	Description:
1-H4615	WS1 elbow locking clip
2-PKP10TS8-BULK	WS1Polytube insert 19,1 mm (3/4")
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
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

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



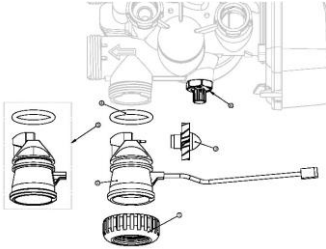
CLACK-Board Spare parts WS1CI -WS1.5CI

Item-Nr:	Description:
1-H4615-	WS1 Elbow locking clip
2-3008-02	WS1 Drain FTG 25,4 mm (1") straight
3-3166*	WS1 Drain FTG 25,4 mm (1") straight
4-3167*	WS1 Drain FTG adapter 25,4 mm (1") straight
5-3163*	WS1 O-Ring 019
6-3150*	WS1 Split ring
7-3151*	WS1 Nut 25,4 mm (1") QC
8-3105*	WS1 O-Ring 215
9-3190-090	DLFC 10,0 GPM-34,56 l/m for drain ftg 25,4 mm (1") - 18"
9-3190-100	DLFC 10,0 GPM-37,9 l/m for drain ftg 25,4 mm (1") - 18-21"
9-3190-110	DLFC 11,0 GPM-41,6 l/m for drain ftg 25,4 mm (1") 21"
9-3190-130	DLFC 13,0 GPM-49,2 l/m for drain ftg 25,4 mm (1")

9-3190-150	DLFC 15,0 GPM-56,8 l/m for drain ftg 25,4 mm (1") - 24"
9-3190-170	DLFC 17,0 GPM-64,4 l/m for drain ftg 25,4 mm (1") 24"
9-3190-200	DLFC 20,0 GPM-75,7 l/m for drain ftg 25,4 mm (1") 24-30"
9-3190-250	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 asy
6-3013	WS1 Mixing valve asy (optional)
V3003-02	WS1.5/2/2h/3 Commercial Meter Assy2 Meter Asy
V3040BSPT	WS1.5 Meter Assembly Male x Female1½" BSPT
V3040BSPT-15	WS1.5 Meter Assembly 1½" M/F BSPT w/ 4,5 m cable
V3045BSPT	WS1.5 Meter Assembly Female x Female1½" BSPT in plastic for WS1.5PCI
V3045QC	WS1.5 Quick Connect Meter Assembly Male x Female1½" BSPT in plastic for WS1.5PCI
V3094BSPT	WS2 Meter Assembly Male x Female 2" 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
V3340-	WS1 Interconnect Cable (Series Regeneration)
V3474	Communication cable 8' (2,4 m) for Clack WS1-WS1.25-WS1.5-WS2



## APEX EZ-GZ-TZ SERIES VALVES

### VA-EZ2

### EZ2 electronic ccontrol valve (Downflow)



EZ2 series Electromechanical control valve, Noryl plastic valve body, 1" or 3/4" inlet/outlet, downflow regeneration, 2,5" mount basis, Service flow rate 0.15 m3/H~3.5m3/H (Continuous supply, 0.35 Mpa Inlet), Suitable for 7" to 16" pressure tanks (Dia.) , Carton pack, 6 pcs. Carton size: 0.58\*0.54\*0.26 (m)

Item-Nr:	Description:
VHEZ2FTAC	Control valve EZ2 1600 electronical FILTER downflow w/ accessories
VHEZ2SMAAC	Control valve EZ2 for softening cover: black/grey electronical meter downflow w/external mixing valve and
VHEZ2SMAACB	Control valve EZ2 for softening cover: blue/black electronical meter downflow w/external mixing valve and
VHEZ2SMAACG	Control valve EZ2 for softening cover: grey/black electronical meter downflow w/external mixing valve and
VHEZ2SMAACN	Control valve EZ2 for softening cover: black/black electronical meter downflow w/external mixing valve and

### VA-GZ2

### GZ2 Ultra Compact electronic ccontrol valve (Downflow)



GZ2 series Electromechanical control valve, Noryl plastic valve body, 1" or 3/4" inlet/outlet, downflow regeneration, 2,5" mount basis, Service flow rate 0.15 m3/H~3.5m3/H (Continuous supply, 0.35 Mpa Inlet), Suitable for 7" to 16" pressure tanks (Dia.) , Carton pack, 6 pcs. Carton size: 0.58\*0.54\*0.26 (m)

Item-Nr:	Description:
VHGZ2ACBYPN	GZ2 Plastic bypass 3/4" - 1"
VHGZ2SMAAC	Control valve GZ2 (Downflow) electronic.metered (softening) black w/accessories

## VA-TZ2

## TZ2 electronic ccontrol valve (Upflow)



TZ2 series Electromechanical control valve, Noryl plastic valve body, 1" or 3/4" inlet/outlet, upflow regeneration, 2,5" mount basis, Service flow rate 0.15 m<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 pcs. Carton size: 0.58\*0.54\*0.26 (m)

Item-Nr:	Description:
VHTZ2SMUPAAC	Control valve TZ2 1600 electronical cover: black/grey meter upflow w/external mixing valve and accessories
VHTZ2SMUPAACG	Control valve TZ2 1600 electronical cover: grey/black meter upflow w/external mixing valve and accessories

## VA-EZ1

## EZ1 Series electronical control valves downflow



EZ1 series Electromechanical control valve, Noryl plastic valve body, 1" or 3/4" inlet/outlet, downflow regeneration, 2,5" mount basis, Service flow rate 0.15 m<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 pcs. Carton size: 0.58\*0.54\*0.26 (m)

Item-Nr:	Description:
VHE560EZF	Control valve EZ1 1600 electronical 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 for softening mechanical meter downflow w/external mixing valve and 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 desinfection



Item-Nr:	Description:
GENCL02MICCOM	Chlorine producer MG (Universal) for resin desinfection
GENCLINCLACOM	Internal chlorine generator for Clack valves - resin desinfection
GENCLINEZF	Internal chlorine generator for EZ2/TZ2 valves - resin desinfection
RACCTF020FPVCJ10	3/8 "F threaded PVC fitting F electrode holder with jaco connectors
RACCTF038FPVC	3/8 "F threaded PVC fitting F electrode holder

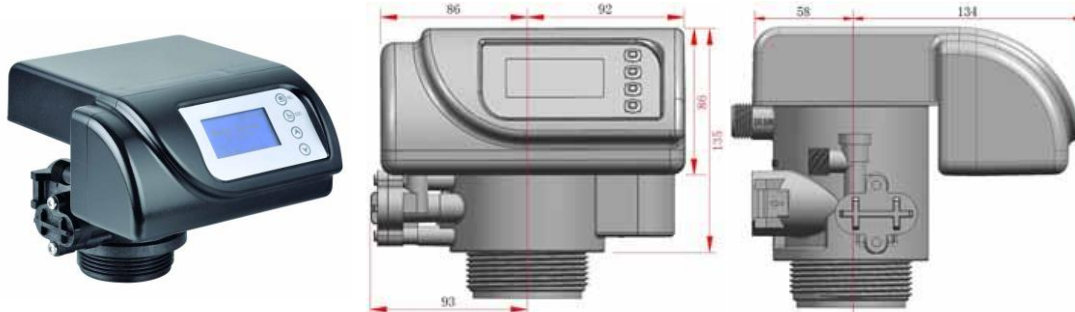




## KS SERIES VALVES

### VA-KSD2

### KSD2 Series electronic control valves downflow



KSD2 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)

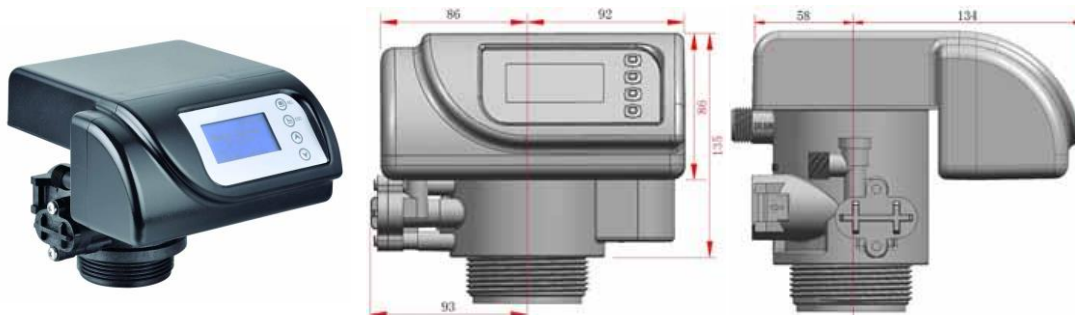
Item-Nr:	Description:
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VHKSD2

Control valve KSD2 for softening electronic metered downflow with bypass and external mixing valve +

### VA-KSE2

### KSE2 Series electronic control valves upflow intelligent



KSE2 series electromechanical control valve,Noryl plastic valve body,1" or 3/4" inlet/outlet, Upflow Intelligent System ,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:
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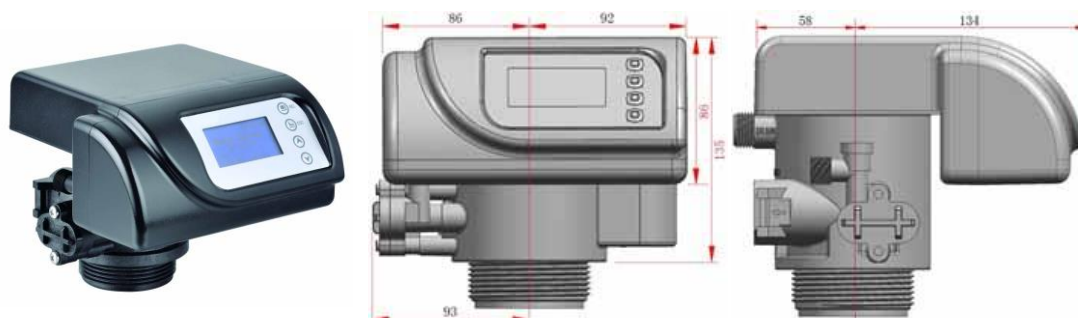
VHKSE2

Control valve KSE2 for softening electronic Upflow metered "intelligent system" with bypass and external mixing



## VA-KSDU2

## KSDU2 Series electronic control valves upflow/downflow at choice

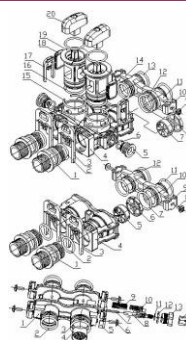


KSDU2 series electromechanical control valve, Noryl plastic valve body, 1" or 3/4" inlet/outlet, Downflow or Upflow at choice, 2-1/2" mount, Service flow rate 0.15m<sup>3</sup>/H~3.5m<sup>3</sup>/H (Continuous supply, 0.35 Mpa Inlet), Suitable for 7" to 16" pressure tanks (Dia.), Carton pack, 6 meter valves per master CTN, or 8 timer valves per master CTN, Carton size is 0.58\*0.54\*0.26 (m)

Item-Nr:	Description:
VHKSDU2	Control valve KSDU2 Upflow/Downflow at choice electronic metered "intelligent system" with bypass and

## VA-KS PARTS

## KS series valves accessories and spare parts



Item-Nr:	Description:
K1AC-MOTOR	KS valves Motor 24V 50/60 HZ 3W
VHKSACC	Accessories and spare parts for KS Series valves - on request
VHKSCHKS1	Service spanner Type KS1 for valves and softeners K and KS series
VHKSCHKS2	Service spanner KS2 Type for valves and softeners K and KS series

## CSL SERIES VALVES

### VA-CSL TS2L-TF2L - ¾" in/out

### CSLTS2L-TF2L Upflow Time Controlled Valve ¾" 3 m3/h



TS2L-TF2L Upflow Time Controlled Valve Display : LED  
 Installation Type : Top Mount  
 Type of control: Time controlled Inlet/Outlet Size ¾" External fittings Drain Size: G ¾"

Brine Port size : 3/8" - Special Brine Valve included  
 Riser Tube Size Ø 26,7 mm Base: 2,5" -8UN  
 Flow Rate : 0,5-3 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
 Output: DC12V/1.5A : Working Temperature : 1-49°  
 Working Pressure: 1-6 Bar

Item-Nr:	Description:
V020CLTF02LUT	Control valve CSL TF2 ¾" (Filter) time controlled upflow LED screen w/accessories 3 m3/h
V020CLTS02LUT	Control valve CSL TS2 ¾" (Softener) time controlled upflow LED w/accessories 3 m3/h

### VA-CSL TS4L-TF4L 1" in/out

### CSLTS2L-TF2L Upflow Time Controlled Valve 1" - 6 m3/h



TS4L-TF4L Upflow Softener Valve Display : LED  
 Installation Type : Top Mount Type of control: Time controlled Inlet/Outlet Size 1" External fittings Drain Size: G 1"

Brine Port size : 3/8" - Special Brine Valve included  
 Riser Tube Size Ø 26,7 / 32 mm Base: 2,5" -8UN  
 Flow Rate : 3-4 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
 Output: DC12V/1.5A : Working Temperature : 1-49°  
 Working Pressure: 1-6 Bar

Item-Nr:	Description:
V025CLTF04LUT	Control valve CSL TF4 1" (Filter) time controlled upflow LED screen w/accessories 6 m3/h Ø32
V025CLTF04LUTE	Control valve CSL TF4 1" (Filter) time controlled upflow LED screen w/accessories 6 m3/h Ø27
V025CLTS04LUT	Control valve CSL TS4 1" (Softener) time controlled upflow LED display w/accessories 6 m3/h Ø32
V025CLTS04LUTE	Control valve CSL TS4 1" (Softener) time controlled upflow LED display w/accessories 6 m3/h Ø27

## VA-CSL VS2D - 3/4" in/out

## CSL VS2D Upflow Meter Controlled Valve 3/4" 3 m3/h



VS2DUpflow Meter Controlled Valve Display : LCD  
 Installation Type : Top Mount  
 Type of control: volume or time controlled at choice  
 Inlet/Outlet Size 3/4" External fittings  
 Drain Size: G 3/4"

Brine Port size : 3/8" - Special Brine Valve included  
 Riser Tube Size Ø 26,7 mm Base: 2,5" -8UN  
 Flow Rate : 0,5-3 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
 Output: DC12V/1.5A : Working Temperature : 1-60°  
 Working Pressure: 1-6 Bar

Item-Nr:	Description:
V020CLVS02DUT	Control valve CSL VS2 3/4" (Softener) meter upflow LCD screen w/accessories 3 m3/h

## VA-CSL VS4D-VF4D - 1" in/out

## CSL VS4D-TF4D Upflow Meter Controlled Valve 1" - 6 m3/h



VS4D-TF4D Upflow Meter Controlled Valve Display : LCD  
 Installation Type : Top Mount  
 Type of control: volume or time controlled at choice  
 Inlet/Outlet Size 1" External fittings  
 Drain Size: G 1/2"

Brine Port size : 3/8" - Special Brine Valve included  
 Riser Tube Size Ø 26,7/32 Base: 2,5" -8UN  
 Flow Rate : 4-6 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
 Output: DC12V/1.5A : Working Temperature : 1-60°  
 Working Pressure: 1-6 Bar

Item-Nr:	Description:
V025CLVF04DUT	Control valve CSL VF4 1" (Filter) meter upflow LCD screen w/accessories 6 m3/h Ø32
V025CLVF04DUTE	Control valve CSL VF4 1" (Filter) meter upflow LCD screen w/accessories 6 m3/h Ø27
V025CLVS04DUT	Control valve CSL VS4 1" (Softener) meter upflow LCD screen w/accessories 6 m3/h Ø32
V025CLVS04DUTE	Control valve CSL VS4 1" (Softener) meter upflow LCD screen w/accessories 6 m3/h Ø27

## VA-CSL TS10L-TF10L - 1,5" CSL TS10L-TF10L Upflow Time Controlled Valve 1,5" 12 in/out m3/h



TS10L-TF10L Upflow Time Controlled Valve Display : LED  
Installation Type : Top Mount Type of control: Time controlled  
Inlet/Outlet Size 1.5" External fittings  
Drain Size: G 1.5" External fittings

Riser Tube Size  $\Phi$  50 mm Base: 4"-8UN  
Flow Rate : 8-12 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
Output: DC12V/1.5A : Working Temperature : 1-49°  
Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V040CLTF10LUT	Control valve CSL TF10 1,5"(Filter) top mount time controlled upflow LED screen w/accessories 12 m3/h
V040CLTS10LUT	Control valve CSL TS10 1,5"(Softener) top mount time controlled upflow LED screen w/accessories 12 m3/h

## VA-CSL VS10TM-VF10TM - 1,5" in/out CSLVS10-VF10 Upflow Meter Controlled Valve 1,5" 12 m3/h



VS10-VF10 Upflow Meter Controlled Valve Display : LCD  
Installation Type : Top Mount  
Type of control: volume or time controlled at choice  
Inlet/Outlet Size 1.5" External fittings  
Drain Size: G 1.5" External fittings

Brine Port size : 3/8" - Special Brine Valve included  
Riser Tube Size:  $\Phi$  50 mm Base: 4"-8UN  
Flow Rate : 8-12 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
Output: DC12V/1.5A : Working Temperature : 1-60°  
Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V040CLTF10LTM	Control valve CSL VF10 1,5" (Filter) top mount meter/time controlled upflow LCD screen w/accessories 12 m3/h
V040CLVF10DUT	Control valve CSL VF10 1,5" (Filter) top mount meter/time controlled upflow LCD screen w/accessories 12 m3/h
V040CLVS10DUT	Control valve CSL VS10 1,5" (Softener) top mount meter/time controlled upflow LCD screen w/accessories 12

## VA-CSL VS10SM - 1,5" in/out

## CSL VS10SM Upflow Meter Controlled Valve Side Mount 1,5" -15 m3/h



Model: VS10SM Upflow Meter Controlled Valve 1,5" Display : LCD  
 Installation Type : Side Mount  
 Type of control: volume or time controlled at choice  
 Inlet/Outlet Size 1.5" External fittings  
 Drain Size: G 1.5" External fittings

Brine Port size : 3/8" - Special Brine Valve included  
 Riser Tube Size: Ø 50 mm Base: 4"-8UN  
 Flow Rate : 8-15 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
 Output: DC12V/1.5A : Working Temperature : 1-60°  
 Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V040CLVS10DUS	Control valve CSL VS10SM 1,5" (Softener) Side Mount meter/time controlled upflow LCD screen w/accessories

## VA-CSL VS15TM-VF15TM - 2" in/out

## CSL VS15TM-VF15TM Upflow Meter Controlled Valve 2"- 18 m3/h



VS15TM-VF15TM Upflow Meter Controlled Valve Display : LCD  
 Installation Type : Top Mount  
 Type of control: volume or time controlled at choice  
 Inlet/Outlet Size 2" External fittings  
 Drain Size: G 1.5" External fittings

Brine Port size : 3/8" - Special Brine Valve included  
 Riser Tube Size: Ø 50 mm Base: 4"-8UN  
 Flow Rate : 18 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
 Output: DC12V/1.5A : Working Temperature : 1-60°  
 Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V050CLVS15DUT	Control valve CSL VS15TM 2" (Softener) top mount meter/time controlled upflow LCD screen w/accessories 18

## VA-CSL VS15SM - 2" in/out CSL VS15S Upflow Meter Controlled Valve Side Mount 2" 18 m3/h



VS15S Upflow Meter Controlled Valve Display : LCD  
 Installation Type : Side Mount  
 Type of control: volume or time controlled at choice  
 Inlet/Outlet Size 2" External fittings  
 Drain Size: G 1.5" External fittings

Brine Port size : 3/8" - Special Brine Valve included  
 Riser Tube Size: Ø 50 mm Base: 4"-8UN  
 Flow Rate 18 m3 / h - Built-in Power Supply : AC110V-240V,50-60Hz  
 Output: DC12V/1.5A : Working Temperature : 1-60°  
 Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V050CLVS15DUS	Control valve CSL VS15S 2" (Softener) Side Mount meter/time controlled upflow LCD screen w/accessories 18

## VA-CSL VS20TM-VF20TM - CSLVS20TM-VF20TM Upflow Meter Controlled Valve 2" - 20 m3/h



VS20TM-VF20TM Upflow Meter Controlled Valve Display : LCD  
 Installation Type : Top Mount  
 Type of control: volume or time controlled at choice  
 Inlet/Outlet Size 2"  
 Drain Size: G 2" External fittings

Brine Port size : 1/2" - Special Brine Valve included  
 Riser Tube Size Ø 50 mm Base: 4"-8UN  
 Flow Rate : 15-25 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
 Output: DC12V/1.5A : Working Temperature : 1-60°  
 Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V050CLVF20DUT	Control valve CSL VF20 2" (Filter) top mount meter/time controlled upflow LCD screen w/accessories 20 m3/h
V050CLVS20DUT	Control valve CSL VS20 2" (Softener) top mount meter/time controlled upflow LCD screen w/accessories 20 m3/h



## VA-CSL VS20SM-VF20SM- 2" in/out

**CSL VS20SM-VF20SM Upflow meter controlled Control Valve Side Mount 2" - 25 m3/h**



VS20SM Upflow Meter Controlled Valve Display : LCD  
Installation Type : Side Mount  
Type of control: volume or time controlled at choice  
Inlet/Outlet Size 2" Drain Size: G 2" External fittings

Brine Port size : 1/2" - Special Brine Valve included  
Riser Tube Size: Ø 50 mm Base: 4"-8UN  
Flow Rate : 15-25 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
Output: DC12V/1.5A : Working Temperature : 1-60°  
Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V050CLVF20DUS	Control valve CSL VF20 2" (Filter) side mount meter/time controlled upflow LCD screen w/accessories 25m3/h
V050CLVS20DUS	Control valve CSL VS20 2" (Softener) side mount meter/time controlled upflow LCD screen w/accessories 25m3/h

## VA-CSL VS40SM-VF40SM 2,5"/3" in/out

**CSL VS40SM-VF40S Upflow Control Valve Side Mount  
DN65/DN80 (2,5"/3") - 45 m3/h**



VS40SM Upflow Softener Valve Display : LCD  
Installation Type : Side Mount  
Type of control: volume or time controlled at choice  
Inlet/Outlet DN65 or DN80 (2,5"/3") Drain size G2" External Thread Joint

Brine Port size : 1/2" - Special Brine Valve included  
Flow Rate : 30-45 m3/h - Top&Bottom Tank Port:DN65 (2,5") flange  
Built-in Power Supply : AC110V-240V,50-60Hz Output: DC12V/1.5A :  
Working Temperature : 1-60° Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V065CLVF40DUS	Control valve CSL VF40SM DN65/DN80 (Filter) side mount meter/time controlled upflow LCD screen
V065CLVS40DUS	Control valve CSL VS40SM DN65/DN80 (Softener) side mount meter/time controlled upflow LCD screen

## VA-CSL VS40TM-VF40TM 2,5" /3 " in/out

## CSL VS40TM Upflow Control Valve Top Mount DN65/DN80 (2,5"/3") - 45 m3/h



**CSL VS40T**



**CSL VF40T**

VS40TM Upflow Softener Valve Display : LCD  
Installation Type : Side Mount  
Type of control: volume or time controlled at choice  
Inlet/Outlet DN80 or DN65 (2,5"/3")  
Drain size G2" External Thread Joint

Brine Port size : ½" - Special Brine Valve included  
Riser tube dimensions: Ø 90 mm Tank base: 6" Flange  
Flow Rate : 30-45 m3/h - Built-in Power Supply: AC110V-240V,50-60Hz  
Output: DC12V/1.5A : Working Temperature : 1-60°  
Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V065CLVF40DUT	Control valve CSL VS40 DN65/DN80 (Filter) top mount meter/time contr. Upflow LCD screen w/accessories 45
V065CLVS40DUT	Control valve CSL VS40 DN65/DN80 (Softener) top mount meter/time contr. Upflow LCD screen w/accessories

## VA-CSL VS50SM-VF50SM- 3" in/out

## CSL VS50SM-VF50SM- Upflow Control Valve Side Mount DN80 (3") Flange - 70 m3/h



VS50SM-VF50SM Upflow Softener Valve Display : LCD  
Installation Type : Side Mount  
Type of control: volume or time controlled at choice  
Inlet/Outlet DN80 (3") Flanged  
Drain size G 2.5"

Brine Port size : ½" - Special Brine Valve included  
Flow Rate : 50-70 m3/h - Top & Bottom Tank Port:DN80 (3") Flange  
Built-in Power Supply : AC110V-240V,50-60Hz Output: DC12V/1.5A  
Working Temperature : 1-60°  
Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V080CLVF50DUS	Control valve CSL VF50 DN80 (Filter) side mount meter/time controlled upflow LCD screen w/access 70 m3/h
V080CLVS50DUS	Control valve CSL VF50SM DN80 (Softener) side mount meter/time controlled upflow LCD screen w/access.70



## VA-CSL VTT4 - 1" in/out

## CSL VTT4 Twin (alternate) Upflow Softener Control Valve 1" - 6 m3/h



VTT4 Upflow Twin (alternate) Softener Control Valve Display : LCD  
 Installation Type : Top Mount  
 Type of control: volume or time controlled at choice  
 Inlet/Outlet Size 1" External fittings  
 Drain Size: G 1/2"

Brine Port size : 3/8" - Special Brine Valve included  
 Riser Tube Size Ø 32 mm Base: 2,5" -8UN  
 Flow Rate : 0,5-6 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
 Output: DC12V/1.5A : Working Temperature : 1-60°  
 Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V025TTCLVS04DUT	CSL VTT4 1" Twin control valve meter upflow LCD screen w/accessories 6 m3/h

## VA-CSL VTT10 - 1.5" in/out

## CSL VTT10 Twin (alternate) Upflow Softener Control Valve 1.5" - 12 m3/h



VTT10 Upflow Twin (alternate) Softener Control Valve Display : LCD  
 Installation Type : Top Mount  
 Type of control: volume or time controlled at choice  
 Inlet/Outlet Size 1,5"  
 Drain Size: G 1/2"

Brine Port size : 3/8" - Special Brine Valve included  
 Riser Tube Size Ø 50 mm Base: 4" -8UN  
 Flow Rate :8-12 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
 Output: DC12V/1.5A : Working Temperature : 1-60°  
 Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V040TTCLVS10DUT	CSL VTT10 1,5" Twin softener control valve meter upflow LCD screen w/accessories 12 m3/h

## VA-CSL VTT10SM - 1.5" in/out

## CSL VTT10SM Upflow Side Mount Twin Softener Control Valve 1.5" - 15 m3/h



VTT10SM Upflow Twin (alternate) Control Valve Display : LCD Installation Type: Side Mount  
Type of control: volume or time controlled at choice  
Inlet/Outlet Size 1,5"  
Drain Size: G 1/2"

Brine Port size : 3/8" - Special Brine Valve included  
Flow Rate : 8-15 m3/h Built-in Power Supply : AC110V-240V,50-60Hz  
Output: DC12V/1.5A : Working Temperature : 1-60°  
Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V040TTCLVS10DUS	CSL VTT10S 1,5" Twin softener control valve meter upflow LCD screen w/accessories 15 m3/h

## VA-CSL VTT20SM - 2" in/out

## CSL VTT20SM Upflow Twin (alternate) Softener Control Valve 2" Side Mount - 28 m3/h



Model VTT20SM Upflow Twin (alternate) Softener Control Valve  
Display : LCD Installation Type : Side Mount  
Type of control: volume or time controlled at choice  
Inlet / Outlet : 2" Drain Port: 1" - ABS ,Ceramic ,Distributors, Brine Valve, Prefilter, Solenoid Valve, Outlet Check Valve, Support Frame Included

Brine Port size : 12,7 mm - Exchange Pipe Size: Ø50mm  
Flow Rate : 8-28 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
Output: DC12V/1.5A : Working Temperature : 1-60°  
Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V050TTCLVS20DUS	CSL VTT20S 2" Twin softener control valve meter upflow LCD screen w/accessories 28 m3/h

## VA-CSL VTT50SM - 3" in/out

## CSL VTT50S Upflow Side Mount Twin (alternate) 3" Softener Control Valve - 55 m3/h



VTT50S Upflow Twin (alternate) Softener Control Valve Display : LCD  
 Installation Type : Side Mount  
 Type of control: volume or time controlled at choice  
 Inlet / Outlet: DN80 (3") Drain Port: 1,2"  
 ABS ,Ceramic ,Distributors, Brine Valve, Prefilter, Solenoid Valve, Outlet  
 Check Valve, Support Frame Included

Brine Port size : 16 mm - Exchange Pipe Size : Ø 75 mm  
 Flow Rate : 30-55 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
 Output: DC12V/1.5A : Working Temperature : 1-60°  
 Working Pressure: 0.1-06 Mpa

Item-Nr:	Description:
V080TTCLVS50DUS	CSL VTT50S 3" Twin softener control valve meter upflow LCD screen w/accessories 50 m3/h

## VA-CSL Accessories

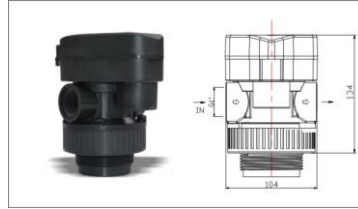
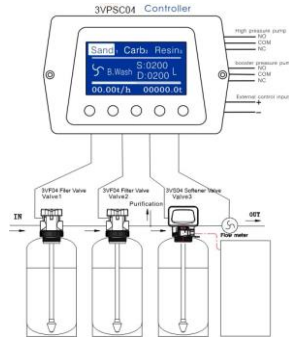
## CSL accessories and spare parts for CSL Series valves



Item-Nr:	Description:
CSLACBYPN	CSL VS2 Plastic bypass 3/4" - 1"
VCLFRAME	Support frame for large CSL valves

## VA-CSL V3PS04 - Stager Controller - 1" in/out

VA-CSL V3PS04 - Stager Controller 1 to 3 units - 1" in/out - up to a 6 m3/h



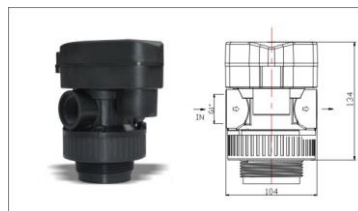
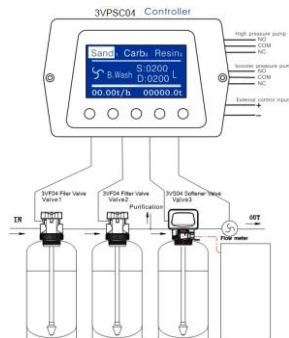
V3PS04 series multi-valve control consists of one stager controller coming as a separate unit that can be linked to one or more dedicated valve bodies type VS3 (water softener) and/or VF3 type (Filter) to realize chain systems up to 3 valves, typically 3 units systems consisting of two filter and one water softener. The controller can be installed in the central control cabinet panel, parameters of each valve can be set individually. The controller is featuring an input and output relay interface and has internal control mode and external control mode.

The internal control mode is working with parameters (backwash or regeneration) set in each valve individually in steps RUN or SOFT. External control is completely controlled by external signal that allows control of backwash or regeneration by external devices and can be widely used in pretreatment system or independent purification and softening combined system. In addition, V3P04V is available also in the version with wireless control model (on request).  
Riser Tube Size Ø 26,7 or 32 mm Base: 2,5" -8UN  
Flow Rate : 4-6 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
Output: DC12V/1.5A : Working Temperature : 1-60°  
Working Pressure: 1-6 Bar

Item-Nr:	Description:
V025CL3VF04BUT	Control valve CSL blind 3VF4 1" (Filter) for V3PSC04 controller meter upflow 6 m3/h riser tube Ø 32 mm
V025CL3VS04BUT	Control valve CSL blind 3VS4 1" (Softener) for V3PSC04 controller meter upflow 6 m3/h riser tube Ø 32 mm
V3PSC04	VA-CSL V3PS04 - Stager Controller for 1 to 3 units - 1" in/out - up to a 6 m3/h

## VA-CSL V3PS10 - Stager Controller - 1,5" in/out

VA-CSL V3PS10 - Stager Controller 1 to 3 units - 1,5" in/out - up to a 12 m3/h



V3PS10 series multi-valve control consists of one stager controller coming as a separate unit that can be linked to one or more dedicated valve bodies type VS3 (water softener) and/or VF3 type (Filter) to realize chain systems up to 3 valves, typically 3 units systems consisting of two filter and one water softener. The controller can be installed in the central control cabinet panel, parameters of each valve can be set individually. The controller is featuring an input and output relay interface and has internal control mode and external control mode.

The internal control mode is working with parameters (backwash or regeneration) set in each valve individually in steps RUN or SOFT. External control is completely controlled by external signal that allows control of backwash or regeneration by external devices and can be widely used in pretreatment system or independent purification and softening combined system. In addition, V3P10V is available also in the version with wireless control model (on request).  
Riser Tube Size Ø 50 mm Base: 4"8UN  
Flow Rate : 10-12 m3/h - Built-in Power Supply : AC110V-240V,50-60Hz  
Output: DC12V/1.5A : Working Temperature : 1-60°  
Working Pressure: 1-6 Bar

Item-Nr:	Description:
V040CL3VF10BUT	Control valve CSL blind 3VF10 1,5" (Filter) for V3PSC10 controller meter upflow 10-12 m3/h riser tube Ø 50 mm
V040CL3VS10BUT	Control valve CSL blind 3VS10 1,5" (Softener) for V3PSC04 controller meter upflow 10-12 m3/h riser tube Ø 50



## FLECK SERIES VALVES

### Fleck VA-FL9000SXT

### Valve Fleck 9000 SXT



9000 is a lead free brass valve with fully adjustable 5-cycle control for efficient and reliable water treatment and backwash capabilities accommodating softener tanks up to 16". It regenerates immediately when needed for continuous soft water, keeping system clean for optimum operating efficiency and minimum maintenance.

#### Technical characteristics

Tank size (inches) 6 10 12 14 16

Service flow (m3/h) 4.00

Backwash flow (m3/h) 1.90

Inlet / Outlet (inches) 3/4 " 1

FeaturesBenefits: Regenerates with soft water

Optimum operating efficiency and minimum maintenance

Choice of 3/4" or 1" meter - Satisfies a wide range of operational needs -

Use of 100% of tank capacity before switching to the second tank - Salt

and water savings - Backwash capability handles up to 16" diameter

tanks - No need of excessive, space wasting multiple tank installations

Item-Nr:	Description:
VALFLECK9000SXT	Valve Fleck 9000 SXT (prices on request)

## Fleck VA-FL5600SXT

## Valve Fleck 5600 SXT



5600 SXT is a high performance control valve with multiple options for softener applications. Its backwash capabilities perfectly accommodate softener tanks up to 12" in diameter. Two non-corrosive, UV-resistant, fiber-reinforced polymer valve body designs are proposed: one for downflow regeneration and one for upflow (covers every valve in the 5600 family - quick access to all internal components). The valve is user-friendly, easily programmable and its modular design simplifies the disassembly and the maintenance.

### Technical characteristics

Tank size (inches) 6 10 12  
Service flow (m3/h) 4.50  
Backwash flow (m3/h) 1.60  
Inlet / Outlet (inches) 3/4" - 1"

### Features/Benefits

Large backlit LCD display with 3 push buttons  
Easy and user-friendly programming  
Advanced programming with 6 adjustable cycle times  
Broader range of applications covered  
Service flow rate up to 4.5m3  
Ideal for residential applications  
Valve body in Glass PPO (Polyphenylene oxide)  
Increased robustness and product life

Item-Nr:	Description:
VALFLECK5600SXT	Control valve Fleck 5600 SXT (prices on request)

## Fleck VA-FL9100SXT

## Valve Fleck 9100 SXT



9100 is a fiber-reinforced polymer valve for superior strength and durability. It is non-corrosive and UV-resistant, providing a continuous service flow rate of 5.4 m3/h with a backwash of 2.3 m3/h. The 9100 regenerates immediately when needed for continuous soft water, keeping system clean for optimum operating efficiency and minimum maintenance.

### Technical characteristics

Tank size (inches) 6 10 12 14 16  
Service flow (m3/h) 4.00  
Backwash flow (m3/h) 1.90  
Inlet / Outlet (inches) 3/4 1

Features/Benefits Regenerates with soft water - Optimum operating efficiency and minimum maintenance - Innovative second tank quick connection - Perfect for light commercial/heavy residential systems that require twin tank conditioning capabilities - Use of 100% of tank capacity before switching to the second tank  
Salt and water savings - Corrosion-free fiber-reinforced polymer valve body - Increases resistance and lifetime of the product

Item-Nr:	Description:
VALFLECK9100SXT	Valve Fleck 9100 SXT (prices on request)

## MANUAL HEADS

### MANUAL HEAD 2

2-way manual heads for softeners/filters



Item-Nr:	Description:
MV02N101D100T027L	Manual head (2-way) - 1" port for tanks 6" to 16" L type
MV02N103D100T027	Manual head (2-way) - 1" port for tanks 6" to 16" C type
MV02N104D100T027	Manual head (2-way) - 3/4" port for tanks 6" to 16"
MV02N105D150T050	Manual head (2-way) - 1 1/2" port for tanks 16" to 36" L type

### MANUAL HEAD 3

3-way manual heads for filtration

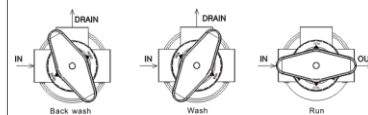


Item-Nr:	Description:
MV03PP100LV	3-way manual valve 1" F in/out port with lever for filtration



## MANUAL HEADS CSL F

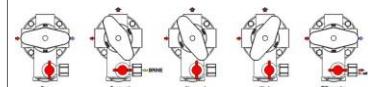
### 3-way manual heads CSL Series for filtration



Item-Nr:	Description:
MV03PP034SD27F	3-way manual valve CSL Series 3/4" FF in/out port with lever for filtration
MV03PP100SD32F	3-way manual valve CSL Series 1" FF in/out port with lever for filtration
MV03PP150SD50F	3-way manual valve CSL Series 1,5" FF in/out port with lever for filtration

## MANUAL HEAD CSL SOFT

### 5-way manual heads CSL Series for softening



Item-Nr:	Description:
MV03PP034SD27S	3-way manual valve CSL Series 3/4" FF in/out port with lever for softener
MV03PP100SD32S	3-way manual valve CSL Series 1" FF in/out port with lever for softener
MV03PP150SD50S	3-way manual valve CSL Series 1,5" FF in/out port with lever for softener

## MANUAL HEAD 5

### 5-way manual heads for softening



Item-Nr:	Description:
MV05PP034VL	Manual head (5-way) - 3/4" port for softening
MV05PP100VL	Manual head (5-way) - 1" port for softening

## 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 thermoplastic 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:
CSY120014000	Diaphragm valve in Noryl - Normally Open - inlet/outlet connection 1" BSP
CSY220014000	Diaphragm valve in Noryl - Normally Open - inlet/outlet connection 1 ¼" BSP
CSY420014000	Diaphragm valve in Noryl - Normally Open - inlet/outlet connection 1 ½" BSP
CSY520014000	Diaphragm valve in Noryl - Normally Open - inlet/outlet connection 2" BSP
CSY620014000	Diaphragm valve in Noryl - Normally Open - inlet/outlet connection 2½" BSP

### 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 thermoplastic 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.

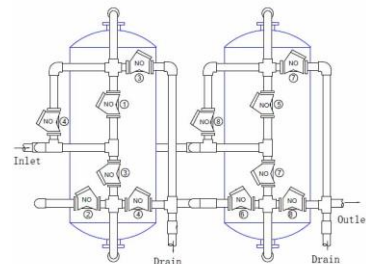
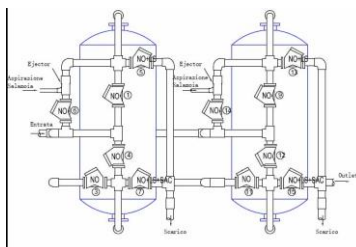
Working Pressure: 1 - 8 bar (15-115 psi)  
Working Temperature: 4 - 50 °C (40-122 °F)

Item-Nr:	Description:
CSY12001400C	Diaphragm valve in Noryl - NC - inlet/outlet connection 1" BSP

CSY22001400C	Diaphragm valve in Noryl - NC - inlet/outlet connection 1 ¼" BSP
CSY42001400C	Diaphragm valve in Noryl - NC - inlet/outlet connection 1 ½" BSP
CSY52001400C	Diaphragm valve in Noryl - NC - inlet/outlet connection 2" BSP
CSY62001400C	Diaphragm valve in Noryl - NC - inlet/outlet connection 2½" BSP

## CSY Stager Controller for Diaphragm valves

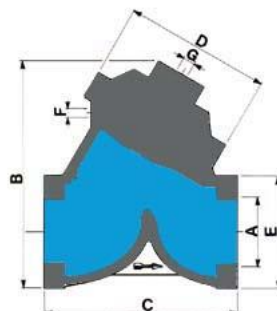
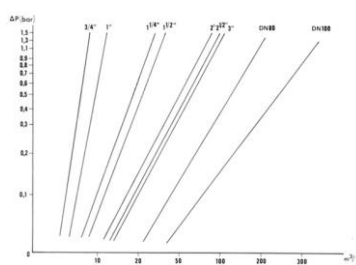
### Control unit fo plastic diaphragm valves



Item-Nr:	Description:
CSYSCNTFILT01	Control unit for diaphragm valves (FILTER version)
CSYSCNTSOFT01	Control unit for diaphragm valves (SOFTENER version)

## HYDROPNEUMATIC VALVES IN CAST IRON

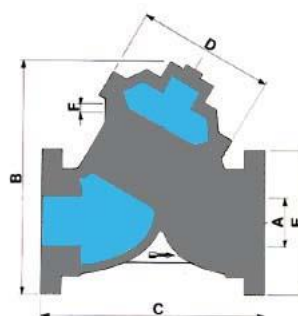
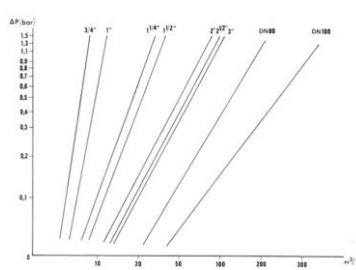
### IPV-Diaphragm valves NA Diaphragm valves in cast iron NO



Water softeners with two resin tanks and built-in meter suitable for use wherever a continuous water flow is required

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



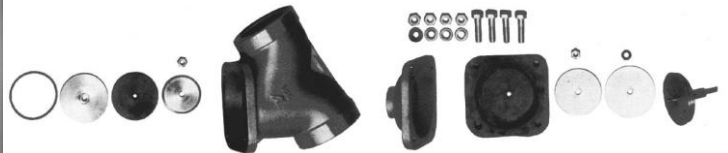
Water softeners with two resin tanks and built-in meter suitable for use wherever a continuous water flow is required

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 ¾"
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



Water softeners with two resin tanks and built-in meter suitable for use wherever a continuous water flow is required

Item-Nr:	Description:
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
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





## FRP TANKS, CABINETS, BRINE TANKS AND ACCESSORIES

- PVT SERIES FRP PRESSURE TANKS - 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



## 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 -Ø 156X889 mm - vol. 14,8 L
PVA0713S20B01	FRP tank 7"X13" - 2½" without base -Ø 181X330 mm - vol. 5,9L
PVA0735B20S01	FRP tank 7"X35" - 2½" without base Ø 181X889 mm - vol. 18,8 L
PVA0813S20B01	FRP tank 8"X13" - 2½" without base -Ø 206X338 mm - vol. 8 L
PVA0817S20B01	FRP tank 8"X17" - 2½" without base -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 -Ø 206X895 mm - vol. 25,2 L
PVA0844S20B01	FRP tank 8"X44" - 2½" without base -Ø 206X1125 mm - vol. 32,5 L
PVA0917S20B01	FRP tank 9"X17" - 2½" without base -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 -Ø 258X627 mm - vol. 25 L
PVA1035S20B01	FRP tank 10"X35" - 2½" without base blue-Ø 258X892 mm - vol. 38,8

## PVA-BA 2½" - 8 - NPSM

## 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

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
PVA1248B20B01	FRP tank 12"X48" - 2½" blue-Ø 307X1233 mm - vol. 77,5 L
PVA1252B20B01	FRP tank 12"X52" - 2½" blue-Ø 307X1333 mm - vol. 85,3 L
PVA1265B20B01	FRP tank 12"X65" - 2½" blue-Ø 307X1666 mm - vol. 108,5 L

PVA1344B20B01	FRP tank 13"X44" - 2½" blue-Ø 335X1100 mm - vol. 81,1 L
PVA1354B20B01	FRP tank 13"X54" - 2½" blue-Ø 335X1350 mm - vol. 102,5 L
PVA1452B20B01	FRP tank 14"X52" - 2½" blue-Ø 359X1336 mm - vol. 115,3L
PVA1465B20B01	FRP tank 14"X65" - 2½" blue-Ø 359X1661 mm - vol. 146,8L
PVA1652B20B01	FRP tank 16"X52" - 2½" blue-Ø 418X1325 mm - vol. 150,1 L
PVA1665B20B01	FRP tank 16"X65" - 2½" blue-Ø 418X1668 mm - vol. 191,7 L

## PVA-BA 4" - 8 - NPSM

## PVA Series FRP pressure tanks with base conn 4" - 8 - NPSM



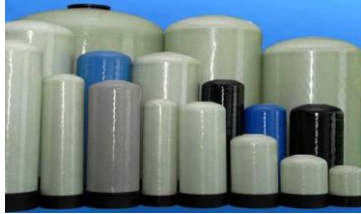
PVA - FRP Pressure Tank with base-Material: PE foodgrade - Fiberglass reinforced Standard Colour: Blue - Certification: NSF, D.M. 174  
Minimum cycle test: 250.000 cycles from 0 to 10 bar Max.Operating Pressure: 150psi (10 Bar) Max Operating Temperature: 45°C Max Vacuum:140 mm Hg

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
PVA1465B44B01	FRP tank 14"X65" - 4"-4" blue-Ø 359X1850 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
PVA1665B44B01	FRP tank 16"X65" - 4"-4" blue-Ø 418X1877 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
PVA1865B44B01	FRP tank 18"X65" -4"-4" blue Ø 465X1873 mm - vol. 235 L
PVA2069B40B01	FRP tank 20"X69" -4" blue Ø 512X1770 mm - vol. 307,1 L
PVA2069B44B01	FRP tank 20"X69" -4"-4" blue Ø 512X1955 mm - vol. 307 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
PVA2162B44B01	FRP tank 21"X62" - 4"-4" blue-Ø 543X1804 mm - vol. 307,8 L
PVA2465B40B01	FRP tank 24"X65" -4"-BLU Ø 614X1724 MM - vol. 409,4 L
PVA2465B44B01	FRP tank 24"X65" -4"-4"-blue Ø 614X1920 mm - vol. 409,4 L
PVA2472B40B01	FRP tank 24"X72" - 4" blue-Ø 614X1884 MM - vol. 460,5 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" flange NPSM

## PVA Series FRP pressure tanks with base conn 6" Flanged



Applications: Water Filtration - Water Softening - Water Storage  
 Ion Exchange - Operating Conditions  
 Maximum operating pressure: 10 bar (150 psi)  
 Operating temperature range 1 - 50°C (34 - 120°F)  
 Material of Construction  
 All materials of construction in contact with water are food grade Materials. Inner shell (liner): polyethylene (PE)  
 Outer shell: Premium fiberglass embedded in epoxy resin  
 Inlet inserts are made of injection molded glass reinforced thermal plastic. Flanges are made of Aluminum casting.  
 Bases of residential tank are made of injection molded impact resistance thermal plastic.  
 Bases of industrial tanks are made of FRP laminate

### Quality Assurance

Designed to PED (EN13923) and NSF requirement  
 Quality assurance program is placed permanently for all tank products. All vessels are subjected to leak test before leaving the factory. Random selected products are subjected to fatigue - and burst tests to verify design parameters..  
 Limited Warranty  
 Residential vessels, size 6" to 13" in diameter are covered to 10 years warranty  
 Commercial and industrial vessels, size 14" to 63" in diameter are guaranteed to 5 years..  
 Product of high quality is proven with relevant certification  
 High assurance standard  
 1. All vessels are completed with food grade PE liner. (complied to FDA regulation 21 CFR 177.1520 and safe for drinking water  
 2. All dimensions are for reference only and subjected to change without notice. \* Vacuum breaker included

Item-Nr:	Description:
PVA3072B66B01	FRP tank 30"X72" 6-6 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" 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-S

### PVT FRP pressure tanks without base 2½"



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
PVT0824S20B08	Fiberglass pressure tank 8x24" without plastic base conn. 2½" blue - vol.17 l PRICES ON REQUEST
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
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



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
PVT0824B20B08	Fiberglass pressure tank 8x24" with plastic base conn. 2½" blue - vol.17 l PRICES ON REQUEST

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
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
PVT1047B20B04	Fiberglass pressure tank 10x47 with plastic base conn. 2½" blue - vol.52 l
PVT1054B20B04	Fiberglass pressure tank 10x54 with plastic base conn. 2½" blue - vol.62 l
PVT1060B20B04	Fiberglass pressure tank 10x60 with plastic base conn. 2½" blue - vol.76 l PRICES ON REQUEST
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
PVT1455B40B01	Fiberglass pressure tank 14x55 with plastic base conn. 4" blue - vol.130 l PRICES ON REQUEST
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
PVT1465B44B01	Fiberglass pressure tank 14x65 with plastic base conn. 4" /4" blue PRICES ON REQUEST
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
PVT1665B44B01	Fiberglass pressure tank 16x65 with plastic base conn. 4"-4" blue - vol.210 l
PVT1860B40B01	Fiberglass pressure tank 18x60 with plastic base conn. 4" blue - vol.230 l PRICES ON REQUEST
PVT1865B40B01	Fiberglass pressure tank 18x65 with plastic base conn. 4" blue - vol.250 l

## PVT-C

## PVT FRP pressure tanks with base (hot water)



PRICES ON REQUEST

Item-Nr:	Description:
PVT0817B20B08H	Fiberglass pressure tank 8x17 with plastic base conn. 2½" blue - hot water
PVT0917B20B08	Fiberglass pressure tank 9x17 with plastic base conn. 2½" blue - hot water
PVT1023B20B04H	Fiberglass pressure tank 10x23 with plastic base conn. 2½" blue - hot water
PVT1335B20B01H	Fiberglass pressure tank 13x35 with plastic base conn. 2½" blue - hot water



## PVT-BG

## PVT-BG FRP pressure tanks with base

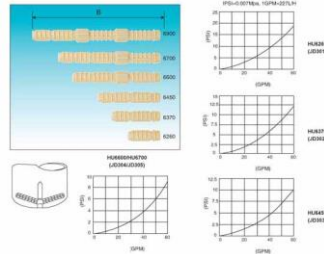
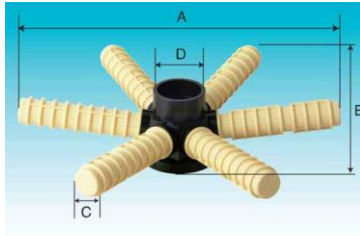


Item-Nr:	Description:
PVT2160B40B01	Fiberglass pressure tank 21x60 with plastic base conn. 4" blue - vol.300 l
PVT2160B44B01	Fiberglass pressure tank 21x60 with plastic base conn. 4"-4" blue - vol.300 l
PVT2469B40B01	Fiberglass pressure tank 24x69 with plastic base conn. 4" blue - vol.450 l
PVT2469B44B01	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
PVT3072B46B01	Fiberglass pressure tank 30x72 with plastic base conn. 4"/6" blue - vol.680 l PRICES ON REQUEST
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
PVT3672B46B01	Fiberglass pressure tank 36x72 with plastic base conn. 4"/6" blue - vol.1040 l PRICES ON REQUEST
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

## DISTRIBUTORS FOR FRP PRESSURE TANKS

### Top mount 6 laterals tube Ø 50 mm

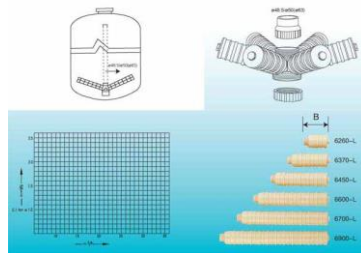
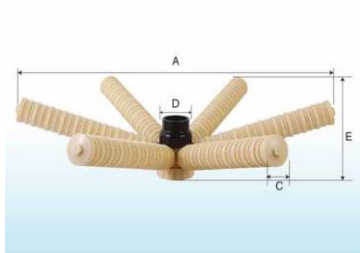
### Top mount 6 laterals bottom distributors for tube Ø 50 mm



Item-Nr:	Description:
TMHL301H50L6260A	Top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 12" - 16" (Ø 300 - Ø 400 mm) slots 0,25 mm
TMHL301H50L6260B	Top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 12" - 16" (Ø 300 - Ø 400 mm) slots 0,25 mm
TMHL302H50L6370A	Top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 18"-21" (Ø 450-Ø 550) slots 0,25 mm
TMHL303H50L6450A	Top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 24" (Ø 600) slots 0,25 mm
TMHL304H50L6600A	Top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 30" (Ø 750)) slots 0,25 mm
TMHL305H50L6700A	Top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 36" (Ø 920) slots 0,25 mm
TMHL330H50L6900A	Top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 42" (Ø 1067) slots 0,25 mm

### High flow Top mount 6 laterals tube Ø 50 mm

### High flow top mount 6 laterals bottom distributors for tube Ø 50 mm



Item-Nr:	Description:
TMHL0324H50L6260A	High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 12" - 16" (Ø 300 - Ø 400 mm) slots 0,25
TMHL0324H50L6260B	High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 12" - 16" (Ø 300 - Ø 400 mm) slots 0,5
TMHL306H50L6370A	High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 18"-21" (Ø 450-Ø 550) slots 0,25 mm
TMHL306H50L6370B	High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 18"-21" (Ø 450-Ø 550) slots 0,5 mm
TMHL307H50L6450A	High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 24" (Ø 600) slots 0,25 mm
TMHL307H50L6450B	High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 24" (Ø 600) slots 0,5 mm
TMHL308H50L6600A	High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 30" (Ø 750)) slots 0,25 mm
TMHL308H50L6600B	High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 30" (Ø 750)) slots 0,5 mm
TMHL309H50L6700A	High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 36" -42" (Ø 920 - 1007) slots 0,25 mm
TMHL309H50L6700B	High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 36" -42" (Ø 920 - 1007) slots 0,5 mm
TMHL310H50L6900A	High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 48" (Ø 1210) slots 0,25 mm



TMHL310H50L6900B

High flow top mount distributor 6 laterals for tube Ø 50 mm - FRP tanks 48" (Ø 1210) slots 0,5 mm

## Bottom mount 6 laterals tube Ø 63 mm

## Bottom mount 6 laterals distributors for tube Ø 63 mm



Item-Nr:	Description:
TMHL31463L6260A	Bottom mount distributor 6 laterals w/elbow for tube Ø 63 mm - FRP tanks 12"-16" (Ø 300 - Ø 400 mm) slots
TMHL31563L6370A	Bottom mount distributor 6 laterals w/elbow for tube Ø 63 mm - FRP tanks 18"-21" (Ø 450-Ø 550) slots 0,25 mm
TMHL31663L6450A	Bottom mount distributor 6 laterals w/elbow for tube Ø 63 mm - FRP tanks 24" (Ø 600) slots 0,25 mm
TMHL31763L6600A	Bottom mount distributor 6 laterals w/elbow for tube Ø 63 mm - FRP tanks 30" (Ø 750) 0,25 mm
TMHL31863L6700A	Bottom mount distributor 6 laterals w/elbow for tube Ø 63 mm - FRP tanks 36" (Ø 900) 0,25 mm
TMHL33163L6900A	Bottom mount distributor 6 laterals w/elbow for tube Ø 63 mm - FRP tanks 42" (Ø 1000) 0,25 mm

## DIFFUSORI

## Distributors, screens, safety valves

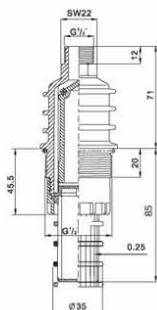


Item-Nr:	Description:
TMHL	Further distributors available on request
TMHL301H50L6260	Top mount hub+laterals tanks 12"-16" slots 0,2 mm
TMHL302H50L6370	Top mount hub+laterals tanks 12"-16" slots 0,2 mm
TMHL303H50L6450	Top mount hub+laterals tanks 24" slots 0,2 mm
TMHL303H50L6600	Top mount hub+laterals tanks 30" slots 0,2 mm
TMHL305H50L6700	Top mount hub+laterals tanks 36" slots 0,2 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 closure 2,5"-8 UN w/ O-ring
PTTAP400FIL	Threaded closure 4"-8 UN w/ O-ring
PTTAP6FL	Closure 6" blind flange

## PVC PIPE

## PVC Pipe



Item-Nr:	Description:
TPVC027PN10	PVC pipe Ø 27 mm smooth T.EN1452-2 PN10 SP.2,4 M.5 LI
TPVC032PN10	PVC pipe Ø 32 MM smooth T.EN1452-2 PN10 SP.2,4 M.5 LI
TPVC032PN16	PVC pipe Ø 32 MM smooth T.EN1452-2 PN16 SP.2,4 M.5 LI
TPVC050PN10	PVC pipe Ø 50 MM smooth T.EN1452-2 PN10 SP.2,4 M.5 LI

## SQUARE BRINE TANKS

### TS-QA

#### Brine tanks QA Series



Item-Nr:	Description:
BTQA0025GGAC	Brine tank 25 L (squared) grey with grey lid 250x250x475 mm w/brine well+overflow fitting
BTQA0070BKAC	Brine tank 70 L (squared) blue with black lid 340x340x810 mm with salt grid, brine well, lid, overflow fitting
BTQA0070GKAC	Brine tank 70 L (squared) grey with black lid 340x340x810 mm with salt grid, brine well, lid, overflow fitting
BTQA0070KKAC	Brine tank 70 L (squared) black with black lid 340x340x810 mm with salt grid, brine well, lid, overflow fitting
BTQA0100BKAC	Brine tank 100 L (squared) blue with black lid 400x400x960 mm with salt grid, brine well, lid, overflow fitting
BTQA0100GKAC	Brine tank 100 L (squared) grey with black lid 400x400x960 mm with salt grid, brine well, lid, overflow fitting
BTQA0100KKAC	Brine tank 100 L (squared) black with black lid 400x400x960 mm with salt grid, brine well, lid, overflow fitting
BTQA0150BBAC	Brine tank 150 L (squared) blue with blue lid 450x450x1000 mm with salt grid, brine well, lid, overflow fitting
BTQA0150GGAC	Brine tank 150 L (squared) grey with grey lid 450x450x1000 mm with salt grid, brine well, lid, overflow fitting
BTQA0150KKAC	Brine tank 150 L (squared) black with black lid 450x450x1000 mm with salt grid, brine well, lid, overflow fitting

### TS-QC

#### Squared brine tanks QC Series - STANDARD - accessories included



Item-Nr:	Description:
BTQR025603WB	Brine tank 25 L (squared) -225X225X460 mm w/brine well+overflow fitting
BTQR070605BB	Brine tank 70 L (squared) 370X370X680 mm w/brine well+overflow fitting+salt grid
BTQR100601BB	Brine tank 100 L (squared) 370X370X895 mm w/brine well+overflow fitting+salt grid
BTQR140602BB	Brine tank 140 L (squared) 370X370X1085 mm w/brine well+overflow fitting+salt grid

## TS-QR

## Squared brine tanks QR Series



Item-Nr:	Description:
BTQR0035WK00	Brine tank square 35 l dim. 31x31x44 cm (empty without accessories)
BTQR0075WK00	Brine tank square 75 l dim. 31x31x H 89 cm (empty without accessories)

## ROUND BRINE TANKS

### TS-TA

#### Brine tanks TA Series



2000 L - 3000 L ON REQUEST

Item-Nr:	Description:
BTTA0145WKAC	Brine tank TS-TA Series 145L Ø 500 x H1060 mm, with salt grid, brine well,lid, overflow fitting
BTTA0200WKAC	Brine tank TS-TA Series 200L Ø 550 x H1160 mm, with salt grid, brine well, lid, overflow fitting
BTTA0350WKAC	Brine tank TS-TA Series350L Ø 740 x H1275 mm, with salt grid, brine well,lid, overflow fitting
BTTA0500WKAC	Brine tank TS-TA Series500L Ø 840 x H1335 mm, with salt grid, brine well,lid, overflow fitting
BTTA0750WKAC	Brine tank TS-TA Series750L Ø 960 x H1395 mm, with salt grid, brine well,lid, overflow fitting
BTTA1000WKAC	Brine tank TS-TA Series1000L Ø 1080 x H1460 mm, with salt grid, brine well,lid, overflow fitting
BTTA1500WKAC	Brine tank TS-TA Series1500L Ø 1240 x H1575 mm, with salt grid, brine well,lid, overflow fitting
BTTA2000WKAC	Brine tank TS-TA Series2000L Ø 1360 x H1690 mm, with salt grid, brine well,lid, overflow fitting
BTTA3000WKAC	Brine tank TS-TA Series 3000L Ø 1595 x H1770 mm, with salt grid, brine well,lid, overflow fitting

### TS-TT

#### Brine tanks TT Series



Item-Nr:	Description:
BTTT0035WB00	Brine tank 35 l white with blue lid Ø 34 x H 47 cm (empty without accessories)
BTTT0075WB00	Brine tank 75 l white with blue lid Ø 34 x H. 90,5 cm (empty without accessories)
BTTT0100WB00	Brine tank white with blue lid 100 l Ø 34 x H 116 cm (empty without accessories)

## TS-TR

## Brine tanks TR Series

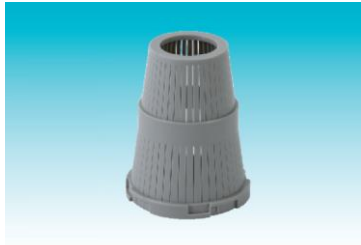


Item-Nr:	Description:
BTTR0100WB00	Brine tank 100 l Ø 47 x H 63 cm (empty without accessories)
BTTR0150WB00	Brine tanks 150 l Ø 53 x H 75 cm (empty without accessories)
BTTR0200WB00	Brine tank 200 l Ø 53 x H 100 cm (empty without accessories)
BTTR0300WW00	Brine tank 300 l Ø 63 x H 106 cm (empty without accessories)
BTTR0520WB00	Brine tanks 520 l Ø 86 x H 115 cm (empty without accessories)
BTTR0850WW00	Brine tank 850 l Ø 109 x 109 cm (empty without accessories)
BTTR1000WW00	Brine tank 1000 l (empty without accessories)

## CABINETS FOR WATER SOFTENERS

### AC CAB

### Accessories for brine cabinets, brine tanks and softeners



Item-Nr:	Description:
ADTP038PTG	Overflow fitting 3/8" NPT M hose nozzle right angle
BTAC1600ST36	Air check standard 3/8" - 1600
BTAC1700ST	Air check 1/2" - 1700 with top adapter kit for Ø 27 mm tube
BTGRI1009	Grid for brine tank 100L H 9cm
BTGRIG150	Grid for brine tank 150L H 22cm
BTGRIG200	Grid for brine tank 200L H 22cm
BTGRIG300	Grid for brine tank 300L H 30cm
BTGRIG500	Grid for brine tank 500L H 30cm
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 H105cm for brine tank 100 L short and large
BTPS100150	Brine well Ø10cm H72cm for brine tank 150 L
BTPS200850M	Brine well for brine tank 850L - 1000L
BTPSMAX086	Brine well Ø10cm H86cm for cabinet DIA maxi - UNI maxi - EVO maxi
BTPSMIN038	Brine well Ø10cm H38cm for cab. EU mini
BTTS100200	Brine well Ø10cm H96cm for brine tank 200 L
BTTS100300	Brine well Ø16cm H97cm for brine tank 300 L - 520 L
DFSV027F01	Upper screen Ø 27 mm (1,05")
SBV001STD	Safety brine valve 1600 3/8"
SBV1700	Safety brine valve 1700 1/2"
TUPE06360954N-	LLDPE Tube 3/8" (6,36 x 9,54 mm) foodgrade neutral (for brine draw line 3/8")
TUPE1012N0-	LLDPE Tube 1/2" (10 x 12 mm) foodgrade (for brine draw line 1/2")



## CAB "ELAN"

## Cabinets for water softeners "ELAN" Series w/pressure tank



Cabinet for water softeners series "ELAN" - for tanks 17 "and 35"  
ergonomic shape - with integrated external handles - internal seat for brine well

Version MINI  
dimensions

- > Base 480 x 290 mm
- > Height without cover 455 mm
- > Height with cover 674 mm

Suitable tanks

- 7 "x 17" without base - 8 "x 17" without base
- 9 "x 17" without base - 10x17" without base

Version MAXI  
dimensions

- > Base 480 x 290 mm
- > Height without cover 900 mm
- > Height with lid mm 1133

Suitable tanks

- 7 "x 35" without base - 8 "x 35" without base
- 9 "x 35" without base - 10x35" without base

Item-Nr:	Description:
BTEL01MXC1V0835	Cabinet "Elan" Maxi 480x290x1133 w/FRP Tank 8x35"+brine well and overflow fitting
BTEL01MXC1V0935	Cabinet "Elan" Maxi 480x290x1133 w/FRP Tank 9x35"+brine well and overflow fitting
BTEL01MXC1V1035	Cabinet "Elan" Maxi 480x290x1133 w/FRP Tank 10x35"+brine well and overflow fitting
BTEL02MIC1V0817	Cabinet "Elan" Mini 480x290x674 w/FRP Tank 8x17"+brine well and overflow fitting
BTEL02MIC1V0917	Cabinet "Elan" Mini 480x290x674 w/FRP Tank 9x17"+brine well and overflow fitting
BTEL02MIC1V1017	Cabinet "Elan" Mini 480x290x674 w/FRP Tank 10x17"+brine well and overflow fitting

## CAB "UNI"

## Cabinets for water softeners "UNI" Series



Cabinet for water softeners series "UNI" - for tanks 17" and 35"  
ergonomic shape - with integrated external handles - internal seat for brine well

Version MINI  
dimensions

- > Base 510 x 315 mm
- > Height without cover 455 mm
- > Height with cover 685 mm

Suitable tanks

- 7 "x 17" without base
- 8 "x 17" without base
- 9 "x 17" without base
- 10 "x 17" without base

Version MAXI  
dimensions

- > Base 510 x 315 mm
- > Height without cover 900 mm
- > Height with lid mm 1140

tanks

- 7 "x 35" without base
- 8 "x 35" without base
- 9 "x 35" without base
- 10 "x 35" without base

Suitable

Item-Nr:	Description:
BTU01MXC1V	Brine Cabinet "UNI" Maxi white-blue transparent 510x315x320x1140 (empty)
BTU02MIC1V	Brine Cabinet "UNI" Mini white-blue transparent 510x315x320x685 (empty)
BTUP01MXC1V	Brine Cabinet "UNI PLUS" Maxi white-blue transparent 510x315x320x1140 (empty)
BTUP02MIC1V	Brine Cabinet "UNI PLUS" Mini white-blue transparent 510x315x320x685 (empty)

## CAB "DIA-LUX"

## Cabinets for water softeners "DIA-LUX" Series



Suitable for frp tanks 7 "x35", 8 "x35", 9 "x35", 10 "x35" Dimensions:  
Height: 1120 mm, height (without cover) 950 mm, width: 350 mm, Depth:  
605 mm

Item-Nr:	Description:
BTDILX01MXC1V	Cabinet "DIA-LUX" Maxi 605x350x1120 white/light blue with transparent window (empty)
BTDILX02MIC1V	Cabinet "DIA-LUX" Mini 605x350x655 white/light blue with transparent window (empty)
XBTCOPEVDIAP	Cover for Cabinet Mod. EVO / DIA without transparent plate
XBTCOPSALLXGR	Salt cover for Cabinet Mod. EVO / DIA

## CAB "EU"

## Cabinets for water softeners EU Series



Suitable tanks:

Maxi: 7x35 - 8x35 - 9x35

Mini: 7x17 - 8x17 - 9x17

Item-Nr:	Description:
BTEU01MXC1V	Cabinet "EU" Maxi 480x320x1130 white/light blue (empty w/out accessories)
BTEU02MIC1V	Cabinet "EU" Mini 480x320x655 white/light blue (empty w/out accessories)
XBTCOPEUAZ	Cover for Cabinet "EU" without plastic transparent plate
XBTCOPSALEUGR	Salt cover for Cabinet "EU"
XBTVETREU	Transparent plate for cover Cabinets EU

## CAB "EV"

## Cabinets for water softeners "EVO" Series



Cabinet for water softeners series "UNI" - for tanks 17 "and 35"  
ergonomic shape - with integrated external handles - internal seat for brine well

Version MINI

dimensions

> Base 605 x 350 mm

> Height without cover 450 mm

> Height with cover 670 mm

Suitable tanks

- 7 "x 17" without base

- 8 "x 17" without base

- 9 "x 17" without base

- 10 "x 17" without base

Version MAXI

dimensions

> Base 605 x 350 mm

> Height without cover 905 mm

> Height with lid mm 1120

tanks

- 7 "x 35" without base

- 8 "x 35" without base

- 9 "x 35" without base

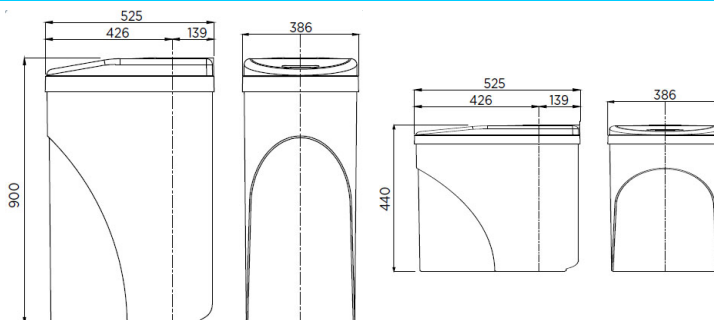
- 10 "x 35" without base

Suitable

Item-Nr:	Description:
BTEV01MXC1V	Cabinet "EVO" Maxi (external tank) 605x350x1120 white/light blue with transparent window (without accessories)
BTEV02MIC1V	Cabinet "EVO" Mini (external tank) 605x350x670 white/light blue with transparent window (without accessories)

## CAB "Portofino"

## Cabinets for water softeners "Portofino" Series



Cabinet for water softeners series "Portofino" - for tanks 17 "and 35"

ergonomic shape

Injection moulded;

- 100% non-toxic, recyclable and food grade material (PP) Italian Ministerial Decree 174/04;

- Unique brine/pressure vessel separation chamber;

- Easy clearing and maintenance without disassembling the system;

- High precision manufacturing;

- Unbeatable stress/crack resistance;

- Years of trouble free services;

- Stylish design;

- Detachable salt lid for easy accessibility to brine compartment

without removal of valve;

- Body, lid and cover: Polypropylene;

- Standard color: white/grey.

• - Version MINI

Cabinet Dimensions > 386x525x440H

Package Dimensions > 420x620x460 H

Suitable pressure tanks > 7 "x 17" w base - 8 "x 17" w base - 9 "x 17" w base - 10 "x 17" w base

Versione MAXI

Cabinet Dimensions > 386x525x900 H

Package Dimensions > 420x620x910 Hm

Suitable tanks- 7 "x 35" w base - 8 "x 35" w base - 9 "x 35" w base - 10 "x 35" w base

Item-Nr:	Description:
BTPF01MXC1V	Cabinet "Portofino" Maxi (external tank) 605x350x1120 white/grey with transparent window (without accessories)
BTPF02MIC1V	Cabinet "Portofino" MINI (external tank) 420x620x460 white/grey with transparent window (without accessories)
BTPSPFMI	Brine well for brine cabinet - "Portofino" MINI
BTPSPFMX	Brine well for brine cabinet - "Portofino" MAXI
XBTCOPPF00	Valve cover for cabinet Mod. "Portofino" MAXI-MINI complete with adapter cover

## CAB "MC" MINI CABINET      MINI Cabinet for water softeners (BG-NT)



- Sturdy PE -ABS shock-resistant material
- Compact and ergonomic design
- Featuring external pressure tank:  
Hygienically safer solution
- Easy and quick access to the pressure tank and valve in case of maintenance  
(no need to take off the pressure tank from the cabinet)
- Thanks to the special moulded form, allows reduced dimensions (depth) of twin body softeners
- It can be used as brine tank for twin body softeners (without cover) as well as brine cabinet for compact softeners (with cover)

Item-Nr:	Description:
BTBG05MNSCV	Brine cabinet Mod. Mod. "BG" Mini 7x13"-6x13" (Empty)
BTNT05MNSCV	Brine cabinet Mod. Mod. "NT" Mini 7x13"-6x13" (Empty)

## CAB "STAR DROP"      Cabinets for water softeners "STAR DROP" Series



- The first cabinet with integrated brine well !! (international patent pending)  
No more need for holes and fittings to install brine well  
Maximum economy during service/maintenance  
External pressure tank - Quick and simple maintenance operation -  
Innovative design CONSTRUCTION MATERIALS
- Monoblock body in food grade polyethylene
  - Brine cover in food grade polypropylene
  - Valve cover carter in food grade polypropylene

- Overall dimensions : -Base mm 630x400-Height mm 1130 (valve cover carter included)-Height mm 900 (valve cover carter excluded)\*  
- SIRIO: 7"x 35" - 8"x35" - 9"x35" - 10"x35"  
Available colours - Body : white  
- Brine cover: light blue  
- Valve cover : Transparent blue

Item-Nr:	Description:
BTSI01MXC1WB	Cabinet "Sirio" Maxi 630x400x1130 white/light blue with transparent window

## AIR-IN

## Air injectors



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





## 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 NaF Strongly Acidic Cation Ion Exchange Resin

High Pure NaF strongly acidic cation exchange resin for softening

Item-Nr:	Description:
HPLLC107025NAFG	High Pure TC C-107 PG Premium Grade strong cationic ion exchange resin 25 Kg Bags (price per Liter)
HPLLC108025NAFG	High Pure TC C-108 PG Premium Grade strong cationic ion exchange resin 25 Kg Bags (price per Liter)
HPTMC108025NAFG	High Pure C42-108 PG Premium Grade strong cationic ion exchange resin 25 Kg Bags (price per Liter)

### High Pure H<sup>+</sup> Strongly Acidic Cation Ion Exchange Resin

High Pure H<sup>+</sup> strongly acidic cation exchange resin for demineralization

Prices on request

Item-Nr:	Description:
HPTMC42D025H	High Pure C42D-108 PG Premium Grade strong cationic ion exchange resin for demineralization 25 Kg Bags

### High Pure Na Monosphere Cation Ion Exchange Resin

High Pure Na Strongly acidic cation exchange resin controlled particle size

Item-Nr:	Description:
HPTMC108025NAFGM	High Pure C42-108 PG Premium Grade controlled particle size strong cationic ion exchange resin 25 Kg Bags

### High Pure Strongly Acidic Macroporous Cation Ion Exchange Resin

High Pure strongly acidic cation exchange resin for softening

Item-Nr:	Description:
HPLLD790025HFG	High Pure TC D-790 H+ Macroporous strong cationic ion exchange resin 25 Kg Bags (price per Liter)

### High Pure Chelating Ion Exchange Resin

High Pure MACROPOROUS POLYSTYRENE CHELATING RESIN

Item-Nr:	Description:
HPJSCC42025	High Pure D42 Macroporous Polystyrene Chelating Resin 25 Kg Bags (price per liter)



## ION EXCHANGE ANION RESINS

**High Pure Nitrate Removal Macroporous Strongly Basic Anion Ion Exchange Resin**      **High Pure Anion Ion exchange resin for nitrate removal**

Item-Nr:	Description:
HPLLD465025CL	High Pure TA D-465 Macroporous strongly anion resin for nitrate ions removal
HPTMA620025	High Pure A620 TM Macroporous strongly anion resin for nitrate ions removal

**High Pure Strongly Anion Ion Exchange Resin**      **High Pure Anion Ion exchange resin**

Item-Nr:	Description:
HPTMA230025	High Pure A230 TM Strong anion ion exchange resin 25 l Bag (Price per Liter)

**High Pure Weak Base Anion Ion Exchange Resin**      **High Pure Resin weak base anion exchange resin**

Item-Nr:	Description:
HPJSMWBA31025	High Pure MWBA31 Weak Base Anion Exchange Resin 25 l Bag (Price per Liter)

## MIXED BED ION EXCHANGE RESINS

### High Pure Mixed Bed Ion Exchange Resin (1:1)

High Pure Mixed bed ion exchange resins (50% anion - 50% cation)

Item-Nr:	Description:
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HPTMMB106025C5A5	High Pure MB106 Mixed bed ion exchange resins 25 l packaging - (Price per liter)
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### High Pure Mixed Bed Ion Exchange Resin (1:15)

High Pure Mixed ion exchange resin for high purity water (60% anion - 40% cation)

Item-Nr:	Description:
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HPTMMB115025C4A6	High Pure MB115 Mixed bed ion exchange resins 25 l packaging (Price per liter)
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## ION EXCHANGE RESIN FOR ARSENIC REMOVAL

### High Pure Arsenic removal High Pure Special Ion exchange resin for arsenic removal Ion Exchange Resin

Item-Nr:	Description:
HPJSASM025D47	High Pure S-407 Anion resin for arsenic removal - 25 l packaging - (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

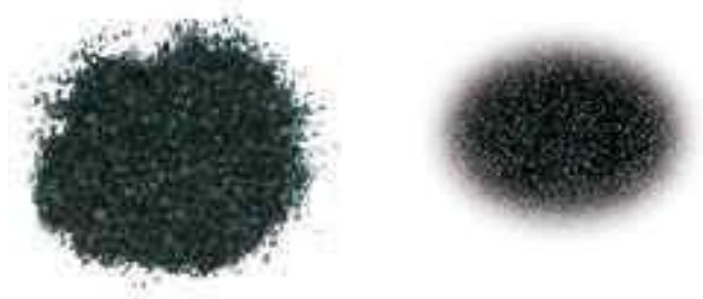
5. Packing: Each PE lined with plastic bag, net weight: 25L or 20 KG

Item-Nr:	Description:
HPJISINQL2025	Inert material type I2

## OTHER FILTRATION MEDIA

### GAC

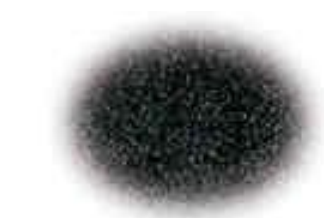
### Granular Activated Carbon



Item-Nr:	Description:
MCGAC0830CCP	Granular activated carbon (coal) 8x30 (0,5-2,5 mm) iodine >1000 BET 1050 Vol.48 l in 25 Kg bags
MCGAC1240CS	Granular activated carbon coconut shell gran.12x40 25 kg bag
MCYAC0304CIL	Granular activated carbon (coal) in small cylinders 3-4 mm in 25 Kg bags

### Antracite

### Anthracite



**ANTHRACITE - COMPOSITION / PRODUCT INFORMATION**  
**COMMERCIAL NAME:** ANTHRACITE, FOR FOAMY  
**SCORESDESCRIPTION,** Sedimentary rock of dark gray casting. The main component is carbon, accompanied in minimal quantities by sulfur, nitrogen and hydrogen. For the characterization of the product, ash and volatile matter are also determined. Below is the chemical composition of the material  
**ANALYSIS:** FIXED CARBON 78.0-80.0% DENSITY IN PILE 0.7-0.98 kg / dm<sup>3</sup> ASH 9.0-14.0% REAL DENSITY 1.2-1.6 kg / dm<sup>3</sup> VOLATILE MATTER 6- 7% SULFUR <1.0% NITROGEN 1.40% HUMIDITY Max 1.5% TYPICAL SIZES AVAILABLE: Ready for delivery 0.5-1 mm, 1-4 mm, 6-13 mm OTHERS: AT THE CUSTOMER'S SPECIFIC REQUEST

**USE OF THE PRODUCT**Anthracite introduced directly into the charging baskets with scrap brings both carbon and energy to the steelmaking process. If it is injected it leads to the formation of foamy waste. In the latter field, anthracite is blown in during the melting phases of the metal bath at the point of contact between liquid steel and slag. The constant granulometry of the material creates a homogeneous layer of well foamed slag. The accurate verification of the chemical analysis certifies the absence of compounds that can pollute the metal phase. The use of anthracite for foamy slag supplied by us allows considerable energy savings (greater efficiency of electric energy transfer of the arc, better yield of the scrap liquid) on the materials (less arc reverberation on refractories, less oxidation of the electrodes) improvements environmental (decrease in arc noise). The use of anthracite, as a refueling and fuel, allows to optimize costs and the restricted particle size distribution also allows to obtain the reduction of the specific consumption of coal in charge. Ulteriori informazioni su questo testo di originePer avere ulteriori informazioni sulla traduzione è necessario il testo di origineInvia commentiRiquadri lateraliCronologiaSalvateContribuisciLimite di caratteri: 5.000. Usa le frecce per tradurre altre parti.

Item-Nr:	Description:
MFANT0283M2	Anthracite filtration media granulometry 1.2-2.4 - 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 ( ½ 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: 20 kg or 1000 kg bags

Item-Nr:	Description:
MCMNO2PIR025000	Manganese dioxide (Pyrolusite) 25 Kg bag - Bag price

## CSG-OXYGreen™ Zeolite Greensand

## CSG-OXYGreen™ Manganese Greensand (Silicate coated with MnO<sub>2</sub>)



### CSG-OXYGREEN™ Zeolite Greensand

Iron, Manganese, Hydrogen Sulfide, Arsenic and  
Radium Reduction Media - 20 x 40 Mesh  
Batch.No.220115 14,5 L ( ½ Cu.FT)

CSG-OXYGreen™ 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 CS-ZeoPlus acts as a catalyst in the oxidation reduction reaction of iron and manganese. The silica sand core of CS-ZeoPlus allows it to withstand waters that are low in silica, TDS and hardness without breakdown. CS-ZeoPlus 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. CS-ZeoPlus 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. CS-ZeoPlus 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. CS-ZeoPlus has the NSF Certification. Packaging is available in 25 Kg Bags or big bags 500 Kg.

### PHYSICAL CHARACTERISTICS

Ions removed: iron + manganese + arsenic (in part)  
Compatibility with chlorine: yes  
Physical Form : Black, nodular granules shipped in a dry form  
Apparent Density 88 pounds (39,9 Kg) per cubic foot net  
Shipping Weight 90 pounds (40 Kg) 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 - Maximum  
Temperature No limit Backwash Rate Minimum 12-13 gpm/sq. ft. at 55°F  
(13°C) Service Flow Rate 2 - 12 gpm/sq. Ft. (7-45 lpm/sq.ft)  
Minimum Bed Depth 15 inches of each media for dual media beds  
or 30 inches of CS-ZeoPlus alone

Item-Nr:	Description:
MCMGSZP01416	CSG-OXYGreen (Manganese Greensand) 14,15 l bags (Bag price)

## Greensand Plus

## GreenSand Plus Manganese Greensand (Silicate coated with MnO<sub>2</sub>)



GreensandPlus™ 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 or 1 metric ton (2,205 lbs) bulk sacks.

### 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

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.

### METHODS OF REGENERATION AND REGENERATION REQUIREMENTS

- Continuous regeneration using chlorine feed or air are recommended
- Mg/l Cl<sub>2</sub> (1x mg/l Fe) + (3x mg/l Mn)
- Air draw or air injection
- Use an injector size that is two sizes larger than a typical softener application

- Draw/slow rinse time greater than 50 minutes
- Down flow rinse (Fast Rinse) 4 minutes minimum

### CATALYTIC OXIDATION (CO)

Catalytic Oxidation (CO) operation is recommended in applications where iron

removal is the main objective in well waters with or without the presence of manganese.

This method involves the feeding of a predetermined amount of chlorine (Cl<sub>2</sub>) or other strong oxidant directly to the raw water before the Filter-Ox™ Filter.

Chlorine should be fed at least 10-20 seconds upstream of the filter, or as far upstream of the filter as possible to insure adequate contact time. A free chlorine residual carried through the filter will maintain Filter-Ox™ Filter

Item-Nr:	Description:
MCFOX014100	Filter-Ox™ manganese dioxide for iron-manganese removal-14,15 l=½ cu.ft l (bag price)

## MTM

## MTM Media for Iron Removal



Clack MTM® (14,15 l bag)

Description

Clack MTM® is a granular manganese dioxide filtering media used for reducing iron, manganese and hydrogen sulfide from drinking water. Its active surface coating oxidizes and precipitates soluble iron and manganese. Hydrogen sulfide is oxidized to sulfur. The precipitates are filtered out in the granular bed and removed by backwashing.

### PHYSICAL PROPERTIES

Color: Dark brown

Bulk Density: 45-50 lbs./cu. ft.

Specific Gravity: 2.0 gm/cc

Effective Size: 0.43 mm

Uniformity Coefficient: 2.0

Mesh Size: 12 x 50

Item-Nr:	Description:
MCMTM028300	MTM- manganese dioxide for iron-manganese removal-bag 28.3 l (bag price)

## BIRM® REGULAR

## BIRM® Media for Iron Removal



Birm® is an efficient and economical media for the reduction of dissolved iron and manganese compounds from raw water supplies. It may be used in either gravity fed or pressurized water treatment systems. Birm acts as an insoluble catalyst to enhance the reaction between dissolved oxygen (D.O.) and the iron compounds. In ground waters the dissolved iron is usually in the ferrous bicarbonate state due to the excess of free carbon dioxide and is not filterable. Birm, acting as a catalyst between the oxygen and the soluble iron compounds, enhances the oxidation reaction of Fe<sup>++</sup> to Fe<sup>+++</sup> and produces ferric hydroxide which precipitates and may be easily filtered. The physical characteristics of Birm provide an excellent filter media which is easily cleaned by backwashing to remove the precipitant. Birm is not consumed in the iron removal operation and therefore offers a tremendous economic advantage over many other iron removal methods. Other advantages of Birm include; long material life with relatively low attrition loss, a wide temperature performance range and extremely high removal efficiency. Negligible labor costs are involved because Birm does not require chemicals for regeneration, only periodic backwashing is required. When using Birm for iron removal, it is necessary that the water: contain no oil or hydrogen sulfide, organic matter not to exceed 4-5 ppm, the D.O. content equal at least 15% of the iron content with a pH of 6.8 or more. If the influent water has a pH of less than 6.8, neutralizing additives such as Clack Corosex®, Calcite or soda ash may be used prior to the Birm filter to raise the pH. A water having a low D.O. level may be pretreated by aeration. Additions of chemicals to influent or backwash water which contacts Birm media may inhibit iron or manganese removal or may break down or coat Birm media. Chlorination greatly reduces Birm's activity. High concentrations of chlorine compounds may deplete the catalytic coating. Polyphosphates are known to coat Birm and reduce Birm's ability to remove iron or manganese. Before adding any chemical to the influent or backwash water, the chemical's compatibility with Birm should be thoroughly tested. Clack Birm may also be used for manganese reduction with the same dependability as iron removal. In these applications the water to be treated should have a pH of 8.0-9.0 for best results. If the water also contains iron, the pH should be below 8.5. High pH conditions may cause the formulation of colloidal iron which is very difficult to filter out. All other conditions remain the same for either manganese or iron removal.

**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 **CONDITIONS FOR OPERATION**

- Alkalinity should be greater than two times the combined sulfate and chloride concentration. • Maximum water temp: 100°F/38°C
- Water pH range: 6.8-9.0 • Dissolved Oxygen (D.O.) content must be equal to at least 15% of the iron (or iron and manganese) content. • Bed depth: 30-36 in. • Freeboard: 50% of bed depth (min.)
- Backwash rate: 10-12 gpm/sq. Ft. • Backwash Bed Expansion: 20-40% of bed depth (min.) • Service flow rate: 3.5-5 gpm/sq. Ft. Intermittent flow rates and/or favorable local conditions may allow higher flow rates

### INFLUENT AND BACKWASH LIMITATIONS

- Free chlorine concentration less than 0.5 ppm
- Hydrogen Sulfide should be removed prior to contact with Birm media • Oil: None Present • Polyphosphates: None present

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® has many outstanding advantages over the more common granular filter medias used for suspended solids reduction. Its fractured edges and irregular surface provides a high surface area and complex flow path for efficient removal of suspended matter throughout the filter bed, typically reducing suspended solids down to the 20-40 micron range. Filter-Ag's larger particle size creates less pressure loss through the filter and allows deeper sediment penetration into the bed for higher sediment loading and longer filter runs. The large and irregular shape prevents the screening and caking of sediment in the top several inches of the filter bed as happens in the typical sand filter, thus preventing a rapid buildup of headloss and blinding problems. Filter-Ag's light weight means lower backwash rates and better bed expansion to release trapped sediment and rinse the filter media during the backwash cycle. The combination of particle shape, size and density make it a good choice where quality water filtration and water conservation are important. Although not intended to be an iron reduction media, extensive field experience has shown Filter-Ag's rough and jagged surface to be very good at entrapping the fragile iron floc that forms after dissolved iron has been oxidized. Typical oxidation methods include aeration, ozonation and chlorination. Substantial savings can be realized when designing a system using Clack Filter-Ag. Its low pressure drop, high service flow rates and high bed loadings combined with lower backwash rates allow economy in equipment downsizing and reduced pumping requirements. Its light weight also saves on handling expense and shipping costs. Clack Filter-Ag can be applied to systems designed for either pressure or gravity flow. Because of its unique density, Filter-Ag can also be used in multi-media (graded density) filter designs allowing a more flexible approach to difficult filtration problem

### 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)
- ### CONDITIONS FOR OPERATION
- Water pH range: wide range
  - Maximum water temperature: 140°F/60°C
  - Bed depth: 24-36 in.
  - Freeboard: 50% of bed depth (min.)
  - Service flow rate: 5 gpm/sq. ft., although considerably higher rates are often used
  - Backwash flow rate: 8-10 gpm/sq. ft.
  - Backwash bed expansion: 20-40% of bed depth
  - Upon installation allow bed to soak overnight before backwashing

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)

### CONDITIONS FOR OPERATION

- Water pH: Wide range • Max. Water Temp.: 140°F/60°C
- Bed Depth: 24-36 inches • Freeboard: 50% of bed depth
- Backwash Flow Rate: 15-20 gpm/sq.ft. • Backwash Bed Expansion: 30-40% of bed depth • Service Flow Rate: 12-20 gpm/sq.ft.
- Local conditions may require lower flow rates
- A gravel support bed is required
- Allow bed to saturate before initial backwash

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

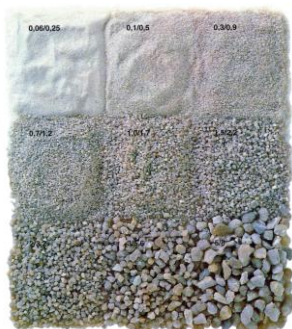
ECOMIX® P For well or tap water with low organic matter. Requires stable quality of water  
ECOMIX® A For well or tap water with moderate organic matter. Handles seasonal variations in water composition.  
ECOMIX® C For well or tap water with high organic matter. Handles seasonal variations in water composition even with significant changes in raw water quality.

Raw water quality requirements and efficiency of purification  
Hardness, ppm CaCO<sub>3</sub> 750 750 750 Iron, mg/L 15 15 15  
Manganese, mg/L 3 3 3 Chemical Oxygen Demand, mg/L O<sub>2</sub> 3 20  
(Reduces by 50%) 20 (Reduces by 80%) Ammonium, mg/L 4 4 4  
Service life, years 3 5 5 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 bag
MCECOMIXA025	ECOMIX® A Filter medium for the treatment of well water and tap water, 25 l bag
MCECOMIXC012	ECOMIX® C media for treatment of well water with high organic matter content, 12 l bag
MCECOMIXC025	ECOMIX® C media for treatment of well water with high organic matter content, 25 l bag
MCECOMIXP012	ECOMIX® P Filter medium for the treatment of well water and tap water, 12 l bag
MCECOMIXP025	ECOMIX® P Filter medium for the treatment of well water and tap water, 25 l bag

## Quarzo sferico

## Spherical quartz gravel



Item-Nr:	Description:
MCQS0103S25	Spherical quartz gravel granulometry 1x3 mm- (25 Kg bag) price per bag
MCQS0203S25	Spherical quartz gravel granulometry 2x3 mm- (25 Kg bag) price per bag
MCQS0305S25	Spherical quartz gravel granulometry 3x5 mm- (25 Kg bag) price per bag
MCQS0508S25	Spherical quartz gravel granulometry 5x8 mm- (25 Kg bag) price per bag
MCQSx4x9S25	Spherical quartz gravel granulometry 0,4x0,9 mm (25 Kg bag) price per bag

## Polifosfato in cristalli

## Polyphosphate crystals 25 Kg bag



Item-Nr:	Description:
MCPC250BM	Polyphosphate crystals - 25 Kg packaging (Price per Kg)

Sale per addolcitori

Salt for water softening



Item-Nr:	Description:
MCNACLSAL025CSN	Calciosine - Premium Quality - Salt in rock salt crystals for softening BAG OF 25 KG (Price per ton)





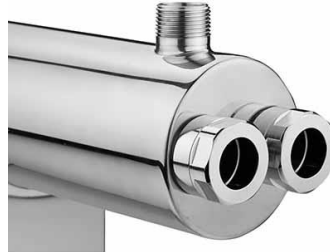
## UV SYSTEMS AND ACCESSORIES

UV SYSTEMS WITH 2-PINS LAMPS DELTA LIGHT - C-Light UV SYSTEMS 4-PINS LAMPS C-Light - UV SYSTEMS WITH LED TECHNOLOGY

## UV SYSTEMS WITH 2-PINS LAMPS DELTA LIGHT

### UV - DELTA LIGHT

### UV Sterilizers - Delta Light



UV germicidal system. Housing material Stainless steel AISI 304. Power supply : 220 V - 50 Hz. Lamp life = 8.000 h. Minimal UV-C dose: 30mW/cm<sup>2</sup>/sec  
Max operating pressure: UV-DL 4 W to 16 W = 6 bar. UV-DL25W to 880 W = 8 bar

Item-Nr:	Description:
UVDL004W304S	UV sterilization system DL 4W (0,25GPM) - 56 l/h 1/4" in/out - 50x26 mm
UVDL006W304S	UV sterilization system DL 6W (0,5 GPM) -115 l/h 1/4" in/out - 50x26 mm
UVDL011W304SB	UV sterilization system DL 11W (1GPM) 227 l/h - 1/4" in/out - 50x26 mm
UVDL016W304SB	UV sterilization system DL 16W (2GPM) - 454 l/h - 1/4" in/out - 64x34 mm
UVDL025W304S	UV sterilization system DL 25W (6GPM)-1363 l/h - 1/2" in/out - 64x57,1 mm
UVDL030W100S	UV sterilization system DL 30W (8GPM) - 1817 l/h-1" in/out - 64x96,5 mm
UVDL030W304S	UV sterilization system DL 30W (8GPM) - 1817 l/h-3/4" in/out - 64x96,5 mm
UVDL055W0304S	UV sterilization system DL 55W (12GPM)-2727 l/h - 3/4" in/out - 64x97 mm
UVDL055W100S	UV sterilization system DL 55W (12GPM)-2727 l/h - 1" in/out - 64x97 mm
UVDL110W100	UV sterilization system DL VDS 110W (24GPM) 5451l/h - 1" in/out - Ø108 X L950 mm
UVDL110W304S	UV sterilization system DL 110W (24GPM) 5451l/h - 1" in/out - Ø108 X L950 mm
UVDL165W304S	UV sterilization system DL 165W (36GPM) - 8176l/h - 1,5" in/out - Ø133 x L950 mm
UVDL220W304S	UV sterilization system 220W -(48GPM)- 10902 l/h - 1,5" in/out - Ø133 x L950 mm
UVDL275W304S	UV sterilization system DL 275W -(60GPM)- 13627 l/h -2" in/out - Ø168 X L950 mm
UVDL330W304S	UV sterilization system DL 330W -(72GPM)- 16353 l/h -2" in/out - Ø168 X 950 mm (x)
UVDL440W304S	UV sterilization system UV DL 440W -(96GPM)- 22.000 l/h -3" in/out - 950*219*1.5mm (x)
UVDL550W304S	UV sterilization system UV DL 550W -(120GPM)- 28.000 l/h -4" in/out (x)
UVDL660W304S	UV sterilization systemUV DL 660W - (144GPM)- 33.000 l/h -4" in/out (x)

### ACCESSORI PER UV - DELTA LIGHT

### Accessories for UV - Delta Light

Item-Nr:	Description:
XUVBA006EU	Ballast for 4-6 W UV System EU 2-Pin Plug
XUVBA011EU	Ballast for 11 W UV System EU 2-Pin Plug
XUVBA016EU	Ballast for 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
XUVCFL016	UV Holder (large) for 16 W UV System
XUVCFS011	UV Holder (small) for 11 W UV System
XUVCFS025	UV Holder (small) for 25 W UV System
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
XUVTQ004EU	Quartz sleeve for 4 W UV System
XUVTQ011EU	Quartz sleeve for 6-11 W UV System
XUVTQ016EU	Quartz sleeve for 16 W UV System
XUVTQ025EU	Quartz sleeve for 25 W UV System
XUVTQ055EU	Quartz sleeve for 55 W UV System
XUVYOR055EU	O-ring for 30-55 W UV System
XUVYOR46111625EU	O-ring for 4-6-11-16-25 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



Multi lamp ultraviolet (UV) systems operate effectively between capacities of 6 m3/hour - 86 m3/hour. For higher flow rates units can be connected in parallel to meet the desired capacity. **STANDARD FEATURES**  
 -304 grade stainless steel housing Buffed surface with mirror finish-  
 -IP54 control panelElectronic card for each lampHigh quality quartz sheath for each lampTimer  
 -9000 hours lamp life  
 -Power supply 220-230 V/50-60 Hz  
 -2-7 bar operating pressure  
 -2-45 oC operating temperature

**DESIGN CRITERIA**  
 -Temperature 20 -Clear appearance- Fe <0,2 mg/lt Mn < 0,05 mg/lt-  
 Transmission rate 95 %  
**FEATURES**  
 -316 grade stainless steel housing on request  
 - 16 bar pressure reactor  
 -Ray sensor monitor  
 -Flange connection

**OPTIONAL**

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

## UV SYSTEMS WITH LED TECHNOLOGY

### UV STERI-LED 4-GEN

### UV LED WATER STERILIZER “STERI-LED 4-GEN”



Innovative/Effective UV-SYSTEM - NO HEAT GENERATION generating the same wavelength of water to be treated ( LED technology). It can be immersed directly in water without quartz or Teflon tube protection. They do not generate any heat and do not increase the fluid/air temperature, thus eliminating possible bacteria proliferation downstream the system. LED Technology

#### MAIN ADVANTAGES

1. Environment Friendly
2. Low Power Consumption
3. Longer life
4. Instant start time
5. Mercury free
6. Compact Design
7. Suitable for domestic

#### TECHNICAL SPECIFICATION

Housing Material :Stainless steel SUS304 Flow rate :1 GPM ( 4 LPM)  
 Input Power::8 WWave length UV :265 nm  
 Input Voltage: 12-24V DCWorking temperature :5-45 °C  
 Max Pressure::8 bar (116PSI)Water connections:1/4" OD tube  
 LED Service Life:1000 hoursRecommended UVT (%):above 90%

#### PACKING

Packing Type:Single Boxes Packed In Outer Master Carton  
 Master Carton Quantity:75 Pcs  
 Single Unit Carton Size :38\*38\*129 Mm  
 Master Carton Size:50\*35\*33cm  
 Master Carton Net Weight:23 Kgs  
 Master Carton Gross Weight:24 Kgs

#### BOX CONTENT

THE KIT Includes: 1x STERI-LED UV SYSTEM, 2 x Support Clips,  
 1xInstruction Manual, 1 x Adaptor  
 OPTIONAL ITEMS

Item-Nr:	Description:
UVDSTERI4G	UV-LED Water Sterilizer “STERI-LED 4-GEN”
UVDSTERI4GFS	Flow switch for UV-LED Water Sterilizer “STERI-LED 4-GEN”
UVDSTERI4GKIT	UV-LED Water Sterilizer “STERI-LED 4-GEN” full kit including flow switch

## UV - LED LIGHT

## UV LED germicidal UV system with LED technology



Innovative/Effective UV-SYSTEM - NO HEAT GENERATION generating the same wavelength of water to be treated ( LED technology). It can be immersed directly in water without quartz or Teflon tube protection. They do not generate any heat and do not increase the fluid/air temperature, thus eliminating possible bacteria proliferation downstream the system.

Extremely low power consumption-same bactericide efficiency of traditional lamps; Extended life. UV-LED : approx. 50.000 hours life (against the 3.500 / 8.000 hours of UV lamps, thus increasing maintenance intervals to 5 years.

Item-Nr:	Description:
UVD10100	UVc-light sterilizer - LED technology - Simple Module- w/inverter 50 Hz and flow switch





## INDUSTRIAL AND DOMESTIC REVERSE OSMOSIS MEMBRANES

REVERSE OSMOSIS MEMBRANES

## REVERSE OSMOSIS MEMBRANES

### MEMBRANE "CS-G" Series Residential REVERSE OSMOSIS MEMBRANES "CS-G" Series 2012 - 3012 - 3213 50 - 600 GPD



For prices relevant to models/sizes not included in the present price list please contact us

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
MOCSG2012180XLL	RO membrane CS-G TFC TW 2012 XL - 180 GPD L version
MOCSG2012220XL	RO membrane CS-G TFC TW 2012 XL - 220 GPD Plus
MOCSG2012250XL	RO membrane CS-G TFC TW 2012 XL - 250 GPD Plus
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 2012



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



## MEMBRANE VONTRON BW REVERSE OSMOSIS MEMBRANES "VONTRON" BW 2,5" 2,5"



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"



For prices relevant to models/sizes not included in the present price list  
please contact us

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"



For prices relevant to models/sizes not included in the present price list  
please contact us

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)
MOVNBW8040ULP440	RO membrane VONTRON ULP440-8040 12000 GPD (45,4 m3/d) RJ 99.5% 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)
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



For prices relevant to models/sizes not included in the present price list  
please contact us

Item-Nr:	Description:
MOVFR114040	RO membrane VONTRON FR11-4040 2200 GPD (8,3m3/d) RJ 99.5% 90 ft2 (8,4m2)
MOVNFR128040	RO membrane VONTRON FR12-8040 10500 GPD (39,7m3/h) RJ 99.5% 400 ft2 (37,2m2)

## MEMBRANE VONTRON - SEA WATER

## REVERSE OSMOSIS MEMBRANES "VONTRON" SEA WATER



For prices relevant to models/sizes not included in the present price list  
please contact us

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% (37)
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)

## MEMBRANE CS-G BW 2,5"

## REVERSE OSMOSIS MEMBRANES "CS-G" Series BW 2,5"



For prices relevant to models/sizes not included in the present price list  
please contact us

Item-Nr:	Description:
MOCSBW25400LP21	RO membrane CS-G - LP-2540 750 GPD (2.8) RJ 99.5%
MOCSBW2540ULP21	RO membrane CS-G ULP-2540 750 GPD (2.84) RJ 99.3%

## MEMBRANE CS-G BW 4" REVERSE OSMOSIS MEMBRANES "CS-G" Series BW 4"



For prices relevant to models/sizes not included in the present price list  
please contact us

Item-Nr:	Description:
MOCSBW40210LP	RO membrane CS-G CS-G LP-4021 1000 GPD (3,1) RJ 99.5%
MOCSBW4021ULP	RO membrane CS-G CS-G CS-G ULP-4021 1200 GPD (3,3) RJ 99.3%
MOCSBW4040LP	RO membrane CS-G LP-4040 2400 GPD (7,9) RJ 99.2%
MOCSBW4040ULP	RO membrane CS-G ULP-4040 2500 GPD (9,4) RJ 99.4%

## MEMBRANE CS-G BW 8040 REVERSE OSMOSIS MEMBRANES "CS-G" Series BW 8040



For prices relevant to models/sizes not included in the present price list  
please contact us

Item-Nr:	Description:
MOCSBW8040LP	RO membrane CS-G LP-8040 10500 GPD (37) RJ 99.4%
MOCSBW8040ULP	RO membrane CS-G-ULP-8040 11000 GPD (37) RJ 99.2%



## INDUSTRIAL AND DOMESTIC REVERSE OSMOSIS MEMBRANE VESSELS

PVC MEMBRANE HOUSINGS - STAINLESS STEEL MEMBRANE HOUSINGS - INDUSTRIAL MEMBRANE HOUSINGS

## PVC MEMBRANE HOUSINGS

### RO MEMBRANE HOUSINGS -RO VESSEL

Residential RO plastic membrane vessels 1812-2012



Item-Nr:	Description:
ROVS2012PLH1	Plastic RO Membr.vessel 1812/2012 150 psi double o-ring
XROCHV1812W	Spanner for RO membrane housing 1812/2012



### RO MEMBRANE HOUSINGS -RO VESSEL 3012

Residential RO plastic membrane vessels 3012



Item-Nr:	Description:
ROVSG3012300	Plastic RO Membr.vessel 3012 200/300 GPD

RO MEMBRANE  
HOUSINGS -RO VESSEL  
3213

Residential RO plastic membrane vessels 3213



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



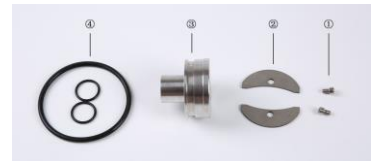
PRIMA 2.5" RO membrane pressure vessels are used in reverse osmosis plants. From 300 PSI to 1000 PSI, end port for 2514, 2521, 2540 membranes. 100% quality assurance test with 1.1 times the pressure of operation maintained for at least five minutes, ensure the safety and no leakage. No spot test. Quality assurance. Burst test with 6 times its design pressure; Cycle test 100000 times. The FRP membrane vessels of PRIMA series are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc. Certification: NSF, ASME, ISO 9001, ISO 14001, OHSAS 18001

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 End Port 300 PSI -Perm. 1/4" BSPT F - F/C 3/8" BSPT F (PP+30%PG)
MVA2540E0300WB	PRIMA Membr.vessel 2540 End Port 300 PSI -Perm. 1/4" BSPT F - F/C 3/8" 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 1000 PSI, end port for 2514, 2521, 2540 membranes. 100% quality assurance test with 1.1 times the pressure of operation maintained for at least five minutes, ensure the safety and no leakage. No spot test. Quality assurance. Burst test with 6 times its design pressure; Cycle test 100000 times. The FRP membrane vessels of PRIMA series are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etc. Certification: NSF, ASME, ISO 9001, ISO 14001, OHSAS 1800

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)



## 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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage.No random testing.Quality assurance.Burst test with 6 times its design pressure;Cycle test 100000 times.PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etcCertification: NSF, ASME, ISO 9001, ISO 14001, OHSAS 18001OHSAS

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.  
(made to order only)

Items marked with \* are not in stock

Item-Nr:	Description:
MVA4021E10300WB	PRIMA Membr.vessel 4" End Port 300 PSI 4021 Perm.½" BSPT F - F/C. 3/4" BSPT F (ABS)
MVA4E10300WB	PRIMA Membr.vessel 4" End Port 300 PSI 1 EL. Perm.½" BSPT F - F/C 3/4" BSPT F (ABS)
MVA4E20300WB	PRIMA Membr.vessel 4" End Port 300 PSI 2 EL. Perm.½" BSPT F - F/C 3/4" BSPT F (ABS)
MVA4E30300WB	PRIMA Membr.vessel 4" End Port 300 PSI 3 EL. Perm.½" BSPT F - F/C 3/4" BSPT F (ABS)
MVA4E40300WB	PRIMA Membr.vessel 4" End Port 300 PSI 4 EL. Perm.½" 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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage. No random testing. Quality assurance. Burst test with 6 times its design pressure; Cycle test 100000 times. 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, ISO 9001, ISO 14001, OHSAS 18001. OHSAS Koch, Toray, CSM, Vontron and BDX, etc. And non-standard products could be tailor-made to meet the demand for your special projects.

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  
Support saddles and fixing brackets  
include.  
Accessories:  
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 represent a guarantee in all reverse osmosis water treatment plants. 300 PSI - 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage.No random testing.Quality assurance.Burst test with 4 times its design pressure;Cycle test 100000 times.PRIMA-SE series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etcCertification: NSF, ASME, ISO 9001, ISO 14001, OHSAS 18001OHSAS

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" End Port 300 PSI 1 EL. Perm. ½" BSPT F - F/C. 3/4" BSPT F (ABS)
MVSE4E20300WB	PRIMA-SE Membr.vessel 4" End Port 300 PSI 2 EL. Perm. ½" 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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage.No random testing.Quality assurance.Burst test with 6 times its design pressure;Cycle test 100000 times.PRIMA series FRP membrane vessels are compatible with most standard RO membranes, i.e. Vontron, Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM and BDX, etcCertification: NSF, ASME, ISO 9001, ISO 14001, OHSAS 18001OHSASKoch, Toray, CSM, Vontron and BDX, etc. And non-standard products could be tailor-made to meet the demand for your special projects.

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, 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:
MVA4E10450WB	PRIMA Membr.vessel 4" End Port 450 PSI 1 EL.Perm.½" BSPT F - F/C. 3/4" BSPT F (ABS)
MVA4E20450WB	PRIMA Membr.vessel 4" End Port 450 PSI 2 EL.Perm.½" BSPT F - F/C. 3/4" BSPT F (ABS) *

MVA4E30450WB	PRIMA Membr.vessel 4" End Port 450 PSI 3 EL.Perm.1/2" BSPT F - F/C. 3/4" BSPT F (ABS) *
MVA4E40450WB	PRIMA Membr.vessel 4" End Port 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



Winder® 4" FRP RO membrane housing represents a quality choice for water treatment in the membrane process. 150 PSI to 1200 PSI, side port or end port. Winder FRP RO housing since 2006, ASME certification in 2014: 100% quality assurance test with 1.1 times of working pressure maintained for at least five minutes, we could guarantee the safety and no leakage. Not sampling test. Quality Assurance. Burst test with 6 times of its design pressure; 100000 times cycle test. Warranty Two years warranty for housing body against industry defects. One year warranty for spare parts. Winder® series FRP membrane housings are applicable to multiple standard membrane elements, E.g. Filmtec, Hydranautics, Osmonics, Koch, Toray, CSM, Vontron and BDX, etc. And non-standard products could be tailor-made to meet the demand for your special projects.

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, 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:
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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage. No random testing. Quality assurance. Burst test with 6 times its design pressure; Cycle test 100000 times. 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, ISO 9001, ISO 14001, OHSAS 18001. OHSAS Koch, Toray, CSM, Vontron and BDX, etc. And non-standard products could be tailor-made to meet the demand for your special projects.

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"End Port 1000 PSI 1 EL.Perm.1/2" BSPT F - F/C 3/4" BSPT M SS2507
MVA4E21000WB	PRIMA Membr.vessel 4"End Port 1000 PSI 2 EL.Perm.1/2" BSPT F - F/C 3/4" BSPT M SS2507
MVA4E31000WB	PRIMA Membr.vessel 4"End Port 1000 PSI 3 EL.Perm.1/2" BSPT F - F/C 3/4" BSPT M SS2507*
MVA4E41000WB	PRIMA Membr.vessel 4"End Port 1000 PSI 4 EL.Perm.1/2" 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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage.No random testing.Quality assurance.Burst test with 6 times its design pressure;Cycle test 100000 times.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, ISO 9001, ISO 14001, OHSAS 18001OHSASKoch, Toray, CSM, Vontron and BDX, etc. And non-standard products

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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage. No random testing. Quality assurance. Burst test with 6 times its design pressure; Cycle test 100000 times. 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, ISO 9001, ISO 14001, OHSAS 18001. OHSAS Koch, Toray, CSM, Vontron and BDX, etc. And non-standard products could be tailor-made to meet the demand for your special projects.

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"End Port 1200 PSI 1 EL.Perm.½" BSPT F -F/C 3/4" BSPT M SS2507 *
MVA4E2120WB	PRIMA Membr.vessel 4"End Port 1200 PSI 2 EL.Perm.½" BSPT F -F/C 3/4" BSPT M SS2507 *
MVA4E3120WB	PRIMA Membr.vessel 4"End Port 1200 PSI 3 EL.Perm.½" BSPT F -F/C 3/4" BSPT M SS2507 *
MVA4E4120WB	PRIMA Membr.vessel 4"End Port 1200 PSI 4 EL.Perm.½" 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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage.No random testing.Quality assurance.Burst test with 6 times its design pressure;Cycle test 100000 times.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, ISO 9001, ISO 14001, OHSAS 18001OHSASKoch, Toray, CSM, Vontron and BDX, etc. And non-standard products

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:
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 4" RO membrane pressure vessels represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage. No random testing. Quality assurance. Burst test with 6 times its design pressure; Cycle test 100000 times. 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, ISO 9001, ISO 14001, OHSAS 18001. OHSAS Koch, Toray, CSM, Vontron and BDX, etc. And non-standard products could be tailor-made to meet the demand for your special projects.

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" End Port 300 PSI 1 El. Perm. 1" BSPT F - 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" End Port 300 PSI 3 El. Perm. 1" BSPT 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-SE 8" RO membrane pressure vessels represent a guarantee in all reverse osmosis water treatment plants 300 PSI - 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage. No random testing. Quality assurance. Burst test with 4 times its design pressure; Cycle test 100000 times. PRIMA-SE 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, ISO 9001, ISO 14001, OHSAS 18001. OHSAS Koch, Toray, CSM, Vontron and BDX, etc. And non-standard products

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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage. No random testing. Quality assurance. Burst test with 6 times its design pressure; Cycle test 100000 times. 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, ISO 9001, ISO 14001, OHSAS 18001. OHSAS Koch, Toray, CSM, Vontron and BDX, etc. And non-standard products

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 3EL. 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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage. No random testing. Quality assurance. Burst test with 6 times its design pressure; Cycle test 100000 times. 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, ISO 9001, ISO 14001, OHSAS 18001. OHSAS Koch, Toray, CSM, Vontron and BDX, etc. And non-standard products

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-SE 8" RO membrane pressure vessels represent a guarantee in all reverse osmosis water treatment plants 300 PSI - 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage. No random testing. Quality assurance. Burst test with 4 times its design pressure; Cycle test 100000 times. PRIMA-SE 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, ISO 9001, ISO 14001, OHSAS 18001. OHSAS Koch, Toray, CSM, Vontron and BDX, etc. And non-standard products

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:
MVSE8S10450WB1D5D	PRIMA-SE Membr.vessel 8" Side Port 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" Side Port 450 PSI 2El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline
MVSE8S20450WB1D7D	PRIMA-SE Membr.vessel 8" Side Port 450 PSI 2El. Perm.1" BSPT F -F/C 1,5" IPS SS316 180°
MVSE8S30450WB1D5D	PRIMA-SE Membr.vessel 8" Side Port 450 PSI 3El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline
MVSE8S40450WB1D5D	PRIMA-SE Membr.vessel 8" Side Port 450 PSI 4 El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline
MVSE8S50450WB1D5D	PRIMA-SE Membr.vessel 8" Side Port 450 PSI 5 El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline
MVSE8S60450WB1D5D	PRIMA-SE Membr.vessel 8" Side Port 450 PSI 6 El. Perm.1" BSPT F -F/C 1,5" IPS SS316 inline
MVSE8S70450WB1D5D	PRIMA-SE Membr.vessel 8" Side Port 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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage.No random testing.Quality assurance.Burst test with 6 times its design pressure;Cycle test 100000 times.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, ISO 9001, ISO 14001, OHSAS 18001OHSASKoch, Toray, CSM, Vontron and BDX, etc. And non-standard products

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  
FRP End caps: ABS/AISI316  
Half-Moon presser,pipes, screws : AISI316  
saddles and fixing brackets included. Victaulic grooved pipes and clamps not included (To be ordered separately)  
not in stock (made to order only)

Materials Body:  
Gaskets : EPDM  
Accessories: Support  
Items marked with \* are

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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage.No random testing.Quality assurance.Burst test with 6 times its design pressure;Cycle test 100000 times.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, ISO 9001, ISO 14001, OHSAS 18001OHSASKoch, Toray, CSM, Vontron and BDX, etc. And non-standard products

Specifications - Design Pressure: 1000 psi (69 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  
Materials Body: FRP End caps: ABS/SS S2507 Super Duplex  
Gaskets : EPDM  
Half-Moon presser,pipes, screws : S2507 Super Duplex  
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:
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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage.No random testing.Quality assurance.Burst test with 6 times its design pressure;Cycle test 100000 times.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, ISO 9001, ISO 14001, OHSAS 18001OHSASKoch, Toray, CSM, Vontron and BDX, etc. And non-standard products

Specifications - Design Pressure: 1000 psi (69 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  
Materials Body: FRP End caps: ABS/SS S2507 Super Duplex  
Gaskets : EPDM  
Half-Moon presser,pipes, screws : S2507 Super Duplex  
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:
MVA8S11000WB1D5D	PRIMA Membr.vessel * 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) InLine *
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 4" RO membrane pressure vessels represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage.No random testing.Quality assurance.Burst test with 6 times its design pressure;Cycle test 100000 times.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, ISO 9001, ISO 14001, OHSAS 18001OHSASKoch, Toray, CSM, Vontron and BDX, etc. And non-standard products could be tailor-made to meet the demand for your special projects.

Specifications - Design Pressure: 1200 psi (82,7 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/SS S2507 Super Duplex  
Gaskets : EPDM Half-Moon presser,pipes, screws : S2507 Super Duplex 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:
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 represent a guarantee in all reverse osmosis water treatment plants. From 300 PSI to 1200 PSI 100% quality assurance testing with 1.1 times the operating pressure maintained for at least five minutes, ensures safety and no leakage.No random testing.Quality assurance.Burst test with 6 times its design pressure;Cycle test 100000 times.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, ISO 9001, ISO 14001, OHSAS 18001OHSASKoch, Toray, CSM, Vontron and BDX, etc. And non-standard products

Specifications - Design Pressure: 1200 psi (82,7 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/SS S2507 Super Duplex  
Gaskets : EPDM Half-Moon presser,pipes, screws : S2507 Super Duplex 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 * 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 VESSELACCESSORIES



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 SPARE PARTS    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
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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**



PRICE ON REQUEST

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
VSSVESSEK	RO Membr.vessel in stainless steel AISI 304 - for remaining dimensions and rating prices on request



## VARIOUS COMPONENTS FOR WATER DISPENSERS, INDUSTRIAL AND DOMESTIC REVERSE OSMOSIS

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 FILTERS - 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 - RO MEASUREMENT AND CONTROL INSTRUMENTS - 2-PIECE FILTER HOUSINGS FOR HOUSEHOLD RO SYSTEMS - COMPRESSORS

## 2-PIECE FILTER HOUSINGS FOR HOUSEHOLD RO SYSTEMS

### RO housings

### 2-Piece Plastic cartridge housing



Item-Nr:	Description:
RH05PBPB014NP	2-Piece housing 5" PP inlet/outlet 1/4" NPT F white bowl
RH09PBPB014NP	2-Piece RO housing 9 3/4" PP white inlet/outlet 1/4" NPT F white bowl
RH09PBPT014NP	2-Piece RO housing 9 3/4" PP transparent bowl inlet/outlet 1/4" NPT F

## RO MEASUREMENT AND CONTROL INSTRUMENTS

### RS2 Conduct

### RS2 Conductivity meter with led light



THE MOST ECONOMIC SOLUTION FOR CONDUCTIVITY MEASUREMENT

Item-Nr:	Description:
ROTDSRESE	"ECO LIGHT" LED conductivity meter with K1 probe

### BC2 Conduct

### BC2 Digital conductivity meter



AN EASY AND ECONOMICAL SOLUTION FOR CONDUCTIVITY MEASURE

OPERATION:

Connect the probe on the measure line.

Select with the DIP 1-2-3 the desired setpoint : 5-10-15-20-25-30-35-40

$\mu\text{S/cm}$ . If you need a Buzzer when the water quality go over the setpoint use DIP4.

At the water oversetpoint it's available a free power contact (max 0,5A, max 30Vcc/ac) : in alarm closed , out of alarm open.

The system display the realtime measure and the setpoint alarm presetted.

Item-Nr:	Description:
BLUCOND	BlueCond conductivity meter, 0-500 $\mu\text{S} / \text{cm}$ scale, complete with all accessories with blister and box. (on request

## CSG/TDS-230 Intelligent Conductivity Monitor

## CSG/TDS-230 Intelligent Conductivity Monitor



CSG-230 online Conductivity monitor TDS-230 TDS monitor

■Industrial online conductivity monitor, controller, small size and low price.

■Range switch over and constant check can both be Freely set and adjusted through the operation component on the rear panel

■Automatic temperature compensation, Wide range input temperature.

■An ideal auxiliary instrument of various types of small pure water equipment, cooling towers, water quality monitoring and so on.

Range0.5~20/200/2000  $\mu$ S/cm ; 0~20 mS/cm

0.25~10/100/1000 ppm

Accuracy1.5%(FS)

Temp. Comp.The 25°C basis, automatic temperature compensation

Operation Temp.0~50°C

Sensor1.0cm-1

Display3½ Bit LCD

Current output signalNon isolated 4-20mA output (optional)

Control output signal□ — —

PowerAC 110/220V±10%, 50/60Hz

Working environmentAmbient Temp. 0~50°C, Relative Humidity ≤85%

Overall dimensions48×96×100mm (H X W X D)

Hole dimensions45×92mm (H X W)

Installation ModePanel Mounted (Embedded)

Matched Electrode:

A) 1.0cm-1 x 1/2" NPT x 3m Cable length

B) 1.0cm-1 x 1/4" NPT x 1.5m Cable length

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 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 pointNo water protection, low pressure protection, high pressure protection, pure water tank high level protection, exterior operation, reset.

RO controlling pointinlet water valve, flush valve, raw water pump, high pressure pump,

conductivity over limit discharge valve

Measurement RangeSource water:

Conductivity : 0~2000 $\mu$ S/cm, Produced water: 0-2000uS/cm

Temperature: 0~50°C

Resolution ratioConductivity 0.1 $\mu$ S/cm, Temperature 0.1°C

AccuracyConductivity  $\leq$ 1.5%, Temperature  $\leq$ 0.5°C

Temperature compensationautomatic digital compensation with 25°C as reference temperature

Working environmentAmbient Temp. 0~50°C, Relative Humidity  $\leq$ 85%

Electrode1.0cm-1 electrode, with 5m Length cable

Electric controlON single contact relay, dry contact (on power) inside output

Flush wayHigh pressure flush, low pressure flush

Display3 1/2 digits red LED digital display

Contact capacityAC 250V/3A Max : AC 115V/10A Max (Resistance load)

PowerAC 220V+/-15%50Hz

Dimensions

96x96x130mm (H X W X D)

Hole size

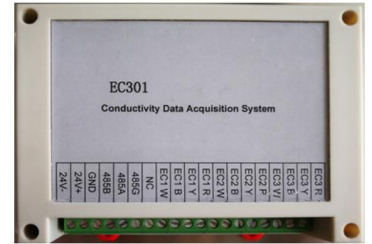
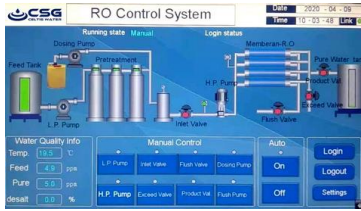
92x92mm (H X W) (Embedded)

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 Single Stage Touch Color Screen Reverse Osmosis Control System + Online Conductivity Monitor

#### Main Characteristics and Application

CSG-RO-8100 touch color screen reverse osmosis control system is a multi-function control system with combination of four-wire resistive type touch screen with reverse osmosis process control and online conductivity monitor, it is mainly used for the system control and water quality monitor and control of reverse osmosis system.

The instrument adopts 7-inch (standard version) or 10-inch touch screen (optional version) and 800\*480 resolution to realize human-computer information interaction with rich and dynamic display effects.

PLC control and conductivity transmitter acquisition circuit;

Adopt the latest high-speed MCU computer processing system in the United States, real-time control of external IO input and relay output, project design focuses on the system's high stability, high reliability, anti-interference, the characteristics of full digital operation.

The display content of the interface:

Conductivity value monitoring interface, system input signal monitoring, output state display, dynamic system process chart, manual controlling interface, the user setting interface etc. Follow the process state of system in real time, which making the operator could completely control the whole system easily.

The instrument is available in two versions:

Single stage RO control system and double stage RO control system.

The reverse osmosis controller could monitor the conductivity of source water, first stage production water, second stage water production water at same time.

With RS485 communication system (RS485 adopt MODBUS RTU communication agreement), the host computer can send a read command to read the source water conductivity, the produced water conductivity, and the relay control status. It is convenient to realize remote communication and equipment networking between instrument and computer or PLC.

The reverse osmosis controller performs automatic system management, so that the whole system realizes full automatic control and unmanned monitoring, and is adapted to meet pure water equipment and seawater desalination reverse osmosis units in various industries.

### Main Technical Features

(For Single Stage Reverse Osmosis System:)

#### ① Collection point of input signal:

- Water level of source water tank, this is for checking with or without water.(pipe water supply could be treated as Non-water pressure switch)
- Low pressure pump protection
- High pressure pump protection
- Low pressure switch(before the high pressure pump)
- High pressure switch(after the high pressure pump)
- Low level of pure water tank
- High level of pure water tank
- Communicate switch of pre-treatment; (system standby when pre-treatment working) Note: High and low level of pure water tank, such as the duckbill switch need to install two switches, two switches directly connected to the high and low liquid level end; if the float switch is used, the high and low liquid level two wires are wired together.

#### ② Controlling point of output:

- Source water pump
  - High pressure pump
  - Dosing pump
  - Inlet valve
  - Outlet valve
  - Flush valve
  - Over-limit discharge valve of produced water conductivity
  - Alarm relay (can connect with audible and visual alarm)
- Note: Solenoid valve requires 220V power supply

#### ③ Conductivity measurement

- Source water conductivity : 0~5000μS/cm;
- Conductivity of RO production water :0~200μS/cm ;
- Temperature measurement: 0-60°C
- Conductivity sensor: 1.0cm-1, cable length 4.5m

#### ④ Other parameters

- Power supply:
- Controller input:AC 220V
- Controller output: DC 24V to display screen& transmitter
- Load capacity of relay output connection: 2A/220V AC
- Precision: 1.5 level
- Working pressure of conductance:0~0.5Mpa;
- Temperature compensation: temperature compensation is calculated based on 25°C
- Outline dimension: 163×226.5×80mm (H × W × D)
- Size of hoses: 200.4 ×146.5 x34mm (width × height) ;
- Installation: Panel mounted

### Item-Nr: Description:

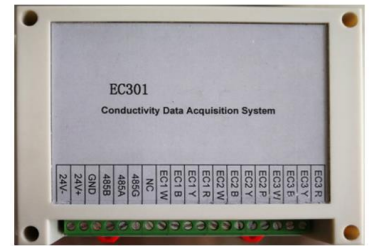
SMCSGR08100

CSG-RO-8100 Single Stage Touch Color Screen Reverse Osmosis Control System + Online Conductivity Monitor



## RO-CONTROL CSG ROS-8200

## CSG-RO-8100 Single Stage Touch Color Screen Reverse Osmosis Control System + Online Conductivity Monitor



SG-RO8200 Touch Color Screen Reverse Osmosis Control System + Online Conductivity Monitor Double Stage RO controller

### Main Characteristics and Application

RO2/T touch color screen double stage reverse osmosis control system is a multi-function control system with combination of four-wire resistive type touch screen with reverse osmosis process control and online conductivity monitor, it is mainly used for the system control and water quality monitor and control of reverse osmosis system. The instrument adopts 7-inch (standard version) or 10-inch touch screen (optional version) and 800\*480 resolution to realize human-computer information interaction with rich and dynamic display effects. PLC control and conductivity transmitter acquisition circuit; Adopt the latest high-speed MCU computer processing system in the United States, real-time control of external IO input and relay output, project design focuses on the system's high stability, high reliability, anti-interference, the characteristics of full digital operation.

The display content of the interface:

Conductivity value monitoring interface, system input signal monitoring, output state display, dynamic system process chart, manual controlling interface, the user setting interface etc. Follow the process state of system in real time, which making the operator could completely control the whole system easily.

The instrument is available in two versions:

Single stage RO control system and double stage RO control system. The reverse osmosis controller could monitor the conductivity of source water, first stage production water, second stage water production water at same time.

With RS485 communication system (RS485 adopt MODBUS RTU communication agreement), the host computer can send a read command to read the source water conductivity, the produced water conductivity, and the relay control status. It is convenient to realize remote communication and equipment networking between instrument and computer or PLC.

The reverse osmosis controller performs automatic system management, so that the whole system realizes full automatic control and unmanned monitoring, and is adapted to meet pure water equipment and seawater desalination reverse osmosis units in various industries.

### Main Technical Features

(For Single Stage Reverse Osmosis System:)

#### ① Collection point of input signal:

- Water level of source water tank, this is for checking with or without water. (pipe water supply could be treated as Non-water pressure switch)
- Low pressure pump protection
- One stage high pressure pump protection
- One stage low pressure switch ( before one stage high pressure pump)
- One stage high pressure switch ( After one stage high pressure pump)
- Second stage high pressure pump protection
- Second stage low pressure switch (before the second stage high pressure pump, WITHOUT middle water tank mode)
- Middle pure water tank Low level (WITH middle water tank mode)
- Middle pure water tank High level (WITH middle water tank mode)
- Second stage high pressure switch (After the second stage high pressure pump)
- Low level of second stage pure water tank
- High level of second stage pure water tank
- Communicate switch of pre-treatment; (system standby when pre-treatment working)

Note:

High and low level of pure water tank, such as the duckbill switch need to install two switches, two switches directly connected to the high and low liquid level end; if the float switch is used, the high and low liquid level two wires are wired together.

#### ② Controlling point of output:

- Source water pump
- One stage high pressure pump
- Dosing pump
- Inlet valve
- Outlet valve
- One stage flush valve
- Second stage high pressure pump
- Second stage flush valve
- Over-limit discharge valve of produced water

conductivity

- Alarm relay (can connect with audible and visual alarm)

Note: Solenoid valve requires 220V power supply

#### ③ Conductivity measurement

- Source water conductivity : 0~5000 $\mu$ S/cm;
- One stage RO water conductivity: 0~200 $\mu$ S/cm,
- Second stage RO water conductivity: 0~200 $\mu$ S/cm,
- Temperature measurement: 0-60 $^{\circ}$ C
- Conductivity sensor: 1.0cm-1, cable length 4.5m

#### ④ Other parameters

- Power supply: Controller input: Controller input: AC 220V
- Controller output: DC 24V to display screen & transmitter
- Load capacity of relay output connection: 3A/220V AC
- Precision: 1.5 level
- Working pressure of conductance: 0~0.5Mpa;
- Temperature compensation: temperature compensation is calculated based on 25 $^{\circ}$ C
- Outline dimension:
- 7 inch display screen outline dimension: 200.4mm x 146.5mm x 34mm

- (W x H x D)
- 7 inch display screen opening size: 192mm x 138mm (W x H)
  - 7 inch display installation way: Panel mounted
  - Controller outline dimension: 140mm x 80mm x 62mm (W x H x D)
  - Controller installation way: Guide rail mounted
  - Conductivity transmitter outline dimension: 145mm×90mm×40mm (W x H x D)

Item-Nr:	Description:
SMCSGRO8200	SG-RO8200 Touch Color Screen Reverse Osmosis Control System + Online Conductivity Monitor Double Stage

## RO-CONTROL EL-PANEL RO CONTROL BOARD EL-PANEL



**Product description**The "RO Electric Panel" controller was designed to control a reverse osmosis water treatment system. Includes a professional conductivity meter for measuring the conductivity of water with double scale:

- 0 ÷ 400 uS / cm (with CCK5 probe)
- 0 ÷ 2000 uS / cm (with CCK1 probe)
- another scale if requested when ordering

The programming menu allows you to customize times and work modes in the various Start-up-Service-Standby-Flushing-Stop / Start and Cleaning phases.

**Technical features**POWER SUPPLY 230 Vac, 50 HzMIN temperature: + 5 ° CMAX temperature: + 70 ° CMIN relative humidity: 50% at a temperature of 40 ° CMAX relative humidity: 90% at a temperature of 20 ° CElectrical protection Fuses

- F1: I = 2A (EV1, EV2 solenoid valve protection)
- F2: I = 5A (PUMP protection)

Inputs

- Probe: conductivity cell
- PRT: pre-treatment (open contact-> enable)
- LSI: Safety: very low level switch (closed contact-> low level)
- PS Low: minimum pressure switch (open contact-> low pressure)
- PS High: maximum pressure switch (closed contact-> high pressure)
- LSh: "Storage Tank" high level switch (closed contact-> high level)
- LSI: "Storage Tank" low level switch (contact open-> low level)

Button panel board with display

Outputs

- EV1: input solenoid valve (230Vac, 50Hz, I<sub>max</sub> = 2A)
- EV2: flushing solenoid valve (230Vac, 50Hz, I<sub>max</sub> = 2A)
- P1: high pressure pump (230Vac, 50Hz, I<sub>max</sub> = 5A)
- AL: alarm repetition (contact closed-> in alarm)
- DP1: dosing pump (230Vac, 50Hz, I<sub>max</sub> = 2A)

Display - 2x16 backlit LCDMax dimensions

- box: 190x160x130mm
- transparent door: 190x100mm

Item-Nr:	Description:
ROEL001	RO EL PANEL Osmosis control and programming tool

## RO-CONTROL WEB Reverse Osmosys Controller LCD

## RO WEB CONTROL everse Osmosys Controller LCD



RO digital control systems LDSN for Reverse Osmosis systems. Box: IP56

dimension: 290 x 215x140mm

Power :230Vca (on request 115 or 24Vac/dc)

Monitor:

- 7" Touch screen Display.
- Screen Dimensions: 194mm x 110mm x 20mm (including standoffs)
- Viewable screen size: 155mm x 86mm
- Screen Resolution 800 x 480 pixels
- 10 finger capacitive touch.

•Operating temperature: -20 to +70 degrees centigrade

•Storage temperature: -30 to +80 degrees centigrade

•Contrast ratio: 500

•Average brightness: 250 cd/m2

•Viewing angle (degrees):

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 $\mu$ S / cm)

## RO-CONTROL LDSN

## RO control system RO-CONTROL LDSN



RO digital control systems LDSN for Reverse Osmosis systems. Coming without the conductivity probe. Built in microprocessor. LCD screen. IP65 housing available or rack format 180x220x80 mm. Reading of the input and output conductivity. Control of the tank. Control the minimum and maximum pressure. Control membrane flushing. Thermal control pressure pump. Remote control for softeners. Available either in the framework version or in the version box IP 65

Item-Nr:	Description:
RO-CONTROL LDSN	Discount based on the original EMEC price list

## pH METER Rack

## pH METER - Rack pH meter



### TECHNICAL CHARACTERISTICS

Humidity: max 90% without condensation

Service Temperature: 5 °C ÷ 40°C

Storage Temperature: -10 °C ÷ 60°C

Mains voltage 24VDC, ± 5%, max 1,5VA

Outputs: One at 4-20mA

Compensation: NO

Item-Nr:	Description:
PHMETER4896	pH meter rack 48x96
PHMETERDIN	pH meter rack DIN rail

## Rx METER RACK

## Rx Meter rack



\*\* Accuracy indicated near the scale : (+/- α +/- β)

α = related absolute error on measure

β = related at full scale instrument

Measure Range : -1,000 - +1.000 (+/- 0,2% +/- 0,3%) mV

Resolution: 12bit

Range of temperature: 0÷100°C (+/- 0,5°C) con NTC, -10÷130°C (+/- 0,5°C)

NTC 10 KOhm; Manual Presettable

Current output: 0÷20/4÷20 mA

Relais: 2 free power output related at 2 setpoint

Power supply 230 VAC 50Hz ±20%

Protection fuse : 500mA delayed.

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

SONDE

Conductivity probes

Item-Nr:	Description:
SONDE	Probes (Prices on request)

## MULTISTAGE PUMPS FOR REVERSE OSMOSIS

### LOWARA SV FM

### LOWARA SVF FM - Stainless steel vertical multistage pumps (Single Phase) - PRICES ON REQUEST



The new e-SV pumps guarantee maximum levels of efficiency thanks to the combination of a system hydraulic design and a high engine efficiency (IE3). Specifications. Delivery up to 160 m<sup>3</sup>/h Head up to 330 m Power supply three-phase and single-phase 50 and 60 Hz Power standard motors from 0.37 kW to 55 kW Maximum operating pressure PN25-40 for sizes 1-22SV; PN16, PN25, PN40 for sizes 33-125 Temperature of pumped liquid -30°C to +120°C standard version Protection IP55 Insulation class F Variable speed (on pumps and Booster Packages) with Hydrovar® and other VFDs; Smart version with IE5 permanent magnet motor and embedded drive

Benefits. The e-SV range of pumps features 11 models, and can be specially configured for a wider range of applications. The line is interchangeable with Lowara's SSV series of vertical multi-stage pumps for added flexibility in meeting pumping requirements. Additionally, five e-SV manufacturing facilities around the world provide shorter lead times and faster service. Applications: Water supply and pressure boosting Water treatment Light industry Irrigation and farming Heating, ventilation and air-conditioning

Item-Nr:	Description:
1016L1831	1SV02F003M ELP 220-240 50
1016L1841	1SV03F003M ELP 220-240 50
1016L1851	1SV04F003M ELP 220-240 50
1016L1861	1SV05F003M ELP 220-240 50
1016L1871	1SV06F003M ELP 220-240 50
1016L1881	1SV07F003M ELP 220-240 50
1016L1891	1SV08F005M ELP 220-240 50
1016L1901	1SV09F005M ELP 220-240 50
1016L1911	1SV10F005M ELP 220-240 50
1016L1921	1SV11F005M ELP 220-240 50
1016L1931	1SV12F007M ELP 220-240 50
1016L1941	1SV13F007M ELP 220-240 50
1016L1961	1SV15F007M ELP 220-240 50
1016L1981	1SV17F011M ELP 220-240 50
1016L2001	1SV19F011M ELP 220-240 50
1016L2031	1SV22F011M ELP 220-240 50
1016L2061	1SV25F015M ELP 220-240 50
1016L2081	1SV27F015M ELP 220-240 50
1016L2111	1SV30F015M ELP 220-240 50
1016L2131	1SV32F022M ELP 220-240 50
1016L2151	1SV34F022M ELP 220-240 50
1016L2181	1SV37F022M ELP 220-240 50
1016L2231	3SV02F003M ELP 220-240 50
1016L2241	3SV03F003M ELP 220-240 50



1016L2251	3SV04F003M	ELP 220-240 50
1016L2261	3SV05F005M	ELP 220-240 50
1016L2271	3SV06F005M	ELP 220-240 50
1016L2281	3SV07F007M	ELP 220-240 50
1016L2291	3SV08F007M	ELP 220-240 50
1016L2301	3SV09F011M	ELP 220-240 50
1016L2311	3SV10F011M	ELP 220-240 50
1016L2321	3SV11F011M	ELP 220-240 50
1016L2331	3SV12F011M	ELP 220-240 50
1016L2341	3SV13F015M	ELP 220-240 50
1016L2351	3SV14F015M	ELP 220-240 50
1016L2371	3SV16F015M	ELP 220-240 50
1016L2401	3SV19F022M	ELP 220-240 50
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1016L2461	3SV25F022M	ELP 220-240 50
1016L2511	5SV02F003M	ELP 220-240 50
1016L2521	5SV03F005M	ELP 220-240 50
1016L2531	5SV04F005M	ELP 220-240 50
1016L2541	5SV05F007M	ELP 220-240 50
1016L2551	5SV06F011M	ELP 220-240 50
1016L2561	5SV07F011M	ELP 220-240 50
1016L2571	5SV08F011M	ELP 220-240 50
1016L2581	5SV09F015M	ELP 220-240 50
1016L2591	5SV10F015M	ELP 220-240 50
1016L2601	5SV11F015M	ELP 220-240 50
1016L2611	5SV12F022M	ELP 220-240 50
1016L2621	5SV13F022M	ELP 220-240 50
1016L2631	5SV14F022M	ELP 220-240 50
1016L2641	5SV15F022M	ELP 220-240 50
1016L2651	5SV16F022M	ELP 220-240 50
1016L2691	10SV01F007M	ELP 220-240 50
1016L2701	10SV02F007M	ELP 220-240 50
1016L2711	10SV03F011M	ELP 220-240 50
1016L2721	10SV04F015M	ELP 220-240 50
1016L2731	10SV05F022M	ELP 220-240 50
1016L2741	10SV06F022M	ELP 220-240 50
1016L2781	15SV01F011M	ELP 220-240 50
1016L2791	15SV02F022M	ELP 220-240 50
1016L2831	22SV01F011M	ELP 220-240 50
1016L2841	22SV02F022M	ELP 220-240 50

## LOWARA SV FT

## LOWARA SVF T - Stainless steel vertical multistage pumps (Three Phase) - PRICES ON REQUEST



The new e-SV pumps guarantee maximum levels of efficiency thanks to the combination of a system hydraulic design and a high engine efficiency (IE3). Specifications. Delivery up to 160 m<sup>3</sup>/h Head up to 330 m Power supply three-phase and single-phase 50 and 60 Hz Power standard motors from 0.37 kW to 55 kW Maximum operating pressure PN25-40 for sizes 1-22SV; PN16, PN25, PN40 for sizes 33-125 Temperature of pumped liquid -30°C to +120°C standard version Protection IP55 Insulation class F Variable speed (on pumps and Booster Packages) with Hydrovar® and other VFDs; Smart version with IE5 permanent magnet motor and embedded drive

Benefits. The e-SV range of pumps features 11 models, and can be specially configured for a wider range of applications. The line is interchangeable with Lowara's SSV series of vertical multi-stage pumps for added flexibility in meeting pumping requirements. Additionally, five e-SV manufacturing facilities around the world provide shorter lead times and faster service. Applications: Water supply and pressure boosting Water treatment Light industry Irrigation and farming Heating, ventilation and air-conditioning

Item-Nr:	Description:	
1016L0011	1SV02F003T	ELP 23/40
1016L0021	1SV03F003T	ELP 23/40
1016L0031	1SV04F003T	ELP 23/40
1016L0041	1SV05F003T	ELP 23/40
1016L0051	1SV06F003T	ELP 23/40
1016L0061	1SV07F003T	ELP 23/40
1016L0071	1SV08F005T	ELP 23/40
1016L0081	1SV09F005T	ELP 23/40
1016L0091	1SV10F005T	ELP 23/40
1016L0101	1SV11F005T	ELP 23/40
1016L0421	3SV02F003T	ELP 23/40
1016L0431	3SV03F003T	ELP 23/40
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1016L0791	5SV02F003T	ELP 23/40
1016L0801	5SV03F005T	ELP 23/40
1016L0811	5SV04F005T	ELP 23/40
1016LC111	1SV12F007T/D	ELP 23/40
1016LC121	1SV13F007T/D	ELP 23/40
1016LC141	1SV15F007T/D	ELP 23/40
1016LC161	1SV17F011T/D	ELP 23/40
1016LC181	1SV19F011T/D	ELP 23/40
1016LC211	1SV22F011T/D	ELP 23/40
1016LC241	1SV25F015T/D	ELP 23/40
1016LC261	1SV27F015T/D	ELP 23/40



1016LC291	1SV30F015T/D	ELP 23/40
1016LC311	1SV32F022T/D	ELP 23/40
1016LC331	1SV34F022T/D	ELP 23/40
1016LC361	1SV37F022T/D	ELP 23/40
1016LC471	3SV07F007T/D	ELP 23/40
1016LC481	3SV08F007T/D	ELP 23/40
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1016LC501	3SV10F011T/D	ELP 23/40
1016LC511	3SV11F011T/D	ELP 23/40
1016LC521	3SV12F011T/D	ELP 23/40
1016LC531	3SV13F015T/D	ELP 23/40
1016LC541	3SV14F015T/D	ELP 23/40
1016LC561	3SV16F015T/D	ELP 23/40
1016LC591	3SV19F022T/D	ELP 23/40
1016LC611	3SV21F022T/D	ELP 23/40
1016LC631	3SV23F022T/D	ELP 23/40
1016LC651	3SV25F022T/D	ELP 23/40
1016LC671	3SV27F030T/D	ELP 23/40
1016LC691	3SV29F030T/D	ELP 23/40
1016LC711	3SV31F030T/D	ELP 23/40
1016LC731	3SV33F030T/D	ELP 23/40
1016LC821	5SV05F007T/D	ELP 23/40
1016LC831	5SV06F011T/D	ELP 23/40
1016LC841	5SV07F011T/D	ELP 23/40
1016LC851	5SV08F011T/D	ELP 23/40
1016LC861	5SV09F015T/D	ELP 23/40
1016LC871	5SV10F015T/D	ELP 23/40
1016LC881	5SV11F015T/D	ELP 23/40
1016LC891	5SV12F022T/D	ELP 23/40
1016LC901	5SV13F022T/D	ELP 23/40
1016LC911	5SV14F022T/D	ELP 23/40
1016LC921	5SV15F022T/D	ELP 23/40
1016LC931	5SV16F022T/D	ELP 23/40
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1016LD001	5SV23F040T/D	ELP 40/69
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1016LD051	5SV28F040T/D	ELP 40/69
1016LD071	5SV30F055T/D	ELP 40/69
1016LD101	5SV33F055T/D	ELP 40/69
1016LD151	10SV01F007T/D	ELP 23/40
1016LD161	10SV02F007T/D	ELP 23/40
1016LD171	10SV03F011T/D	ELP 23/40
1016LD181	10SV04F015T/D	ELP 23/40
1016LD191	10SV05F022T/D	ELP 23/40
1016LD201	10SV06F022T/D	ELP 23/40
1016LD211	10SV07F030T/D	ELP 23/40
1016LD221	10SV08F030T/D	ELP 23/40

1016LD231	10SV09F040T/D	ELP 40/69
1016LD241	10SV10F040T/D	ELP 40/69
1016LD251	10SV11F040T/D	ELP 40/69
1016LD271	10SV13F055T/D	ELP 40/69
1016LD291	10SV15F055T/D	ELP 40/69
1016LD311	10SV17F075T/D	ELP 40/69
1016LD321	10SV18F075T/D	ELP 40/69
1016LD341	10SV20F075T/D	ELP 40/69
1016LD351	10SV21F110T/D	ELP 40/69
1016LD401	15SV01F011T/D	ELP 23/40
1016LD411	15SV02F022T/D	ELP 23/40
1016LD421	15SV03F030T/D	ELP 23/40
1016LD431	15SV04F040T/D	ELP 40/69
1016LD441	15SV05F040T/D	ELP 40/69
1016LD451	15SV06F055T/D	ELP 40/69
1016LD461	15SV07F055T/D	ELP 40/69
1016LD471	15SV08F075T/D	ELP 40/69
1016LD481	15SV09F075T/D	ELP 40/69
1016LD491	15SV10F110T/D	ELP 40/69
1016LD501	15SV11F110T/D	ELP 40/69
1016LD521	15SV13F110T/D	ELP 40/69
1016LD541	15SV15F150T/D	ELP 40/69
1016LD561	15SV17F150T/D	ELP 40/69
1016LD611	22SV01F011T/D	ELP 23/40
1016LD621	22SV02F022T/D	ELP 23/40
1016LD631	22SV03F030T/D	ELP 23/40
1016LD641	22SV04F040T/D	ELP 40/69
1016LD651	22SV05F055T/D	ELP 40/69
1016LD661	22SV06F075T/D	ELP 40/69
1016LD671	22SV07F075T/D	ELP 40/69
1016LD681	22SV08F110T/D	ELP 40/69
1016LD691	22SV09F110T/D	ELP 40/69
1016LD701	22SV10F110T/D	ELP 40/69
1016LD721	22SV12F150T/D	ELP 40/69
1016LD741	22SV14F150T/D	ELP 40/69
1016LD771	22SV17F185T/D	ELP 40/69

## LOWARA SVH F2

## LOWARA SVH F2 - Stainless steel vertical multistage pumps with Inverter(Single Phase) - PRICES ON REQUEST



The new e-SV pumps guarantee maximum levels of efficiency thanks to the combination of a system hydraulic design and a high engine efficiency (IE3). Specifications. Delivery up to 160 m<sup>3</sup>/h Head up to 330 m Power supply three-phase and single-phase 50 and 60 Hz Power standard motors from 0.37 kW to 55 kW Maximum operating pressure PN25-40 for sizes 1-22SV; PN16, PN25, PN40 for sizes 33-125 Temperature of pumped liquid -30°C to +120°C standard version Protection IP55 Insulation class F Variable speed (on pumps and Booster Packages) with Hydrovar® and other VFDs; Smart version with IE5 permanent magnet motor and embedded drive

Benefits. The e-SV range of pumps features 11 models, and can be specially configured for a wider range of applications. The line is interchangeable with Lowara's SSV series of vertical multi-stage pumps for added flexibility in meeting pumping requirements. Additionally, five e-SV manufacturing facilities around the world provide shorter lead times and faster service. Applications: Water supply and pressure boosting Water treatment Light industry Irrigation and farming Heating, ventilation and air-conditioning

Item-Nr:	Description:
102830231	1SVH08F005T/2
102830261	1SVH09F005T/2
102830291	1SVH10F005T/2
102830321	1SVH11F005T/2
102830351	1SVH12F007T/2
102830381	1SVH13F007T/2
102830441	1SVH15F007T/2
102830501	1SVH17F011T/2
102830561	1SVH19F011T/2
102830651	1SVH22F011T/2
102830741	1SVH25F015T/2
102831251	3SVH05F005T/2
102831281	3SVH06F005T/2
102831311	3SVH07F007T/2
102831341	3SVH08F007T/2
102831371	3SVH09F011T/2
102831401	3SVH10F011T/2
102831431	3SVH11F011T/2
102831461	3SVH12F011T/2
102831491	3SVH13F015T/2
102831521	3SVH14F015T/2
102831581	3SVH16F015T/2
102832181	5SVH03F005T/2
102832211	5SVH04F005T/2
102832241	5SVH05F007T/2
102832271	5SVH06F011T/2

102832301	5SVH07F011T/2
102832331	5SVH08F011T/2
102832361	5SVH09F015T/2
102832391	5SVH10F015T/2
102832421	5SVH11F015T/2
102832541	5SVH15F022T/2
102832571	5SVH16F022T/2
102833061	10SVH01F007T/2
102833091	10SVH02F007T/2
102833121	10SVH03F011T/2
102833151	10SVH04F015T/2
102833181	10SVH05F022T/2
102833211	10SVH06F022T/2
102833591	15SVH01F011T/2
102833941	22SVH01F011T/2

## LOWARA SVH F4

## LOWARA SVH F4 - Stainless steel vertical multistage pumps with Inverter(Threee Phase) - PRICES ON REQUEST



The new e-SV pumps guarantee maximum levels of efficiency thanks to the combination of a system hydraulic design and a high engine efficiency (IE3). Specifications. Delivery up to 160 m<sup>3</sup>/h Head up to 330 m Power supply three-phase and single-phase 50 and 60 Hz Power standard motors from 0.37 kW to 55 kW Maximum operating pressure PN25-40 for sizes 1-22SV; PN16, PN25, PN40 for sizes 33-125 Temperature of pumped liquid -30°C to +120°C standard version Protection IP55 Insulation class F Variable speed (on pumps and Booster Packages) with Hydrovar® and other VFDs; Smart version with IE5 permanent magnet motor and embedded drive

Benefits. The e-SV range of pumps features 11 models, and can be specially configured for a wider range of applications. The line is interchangeable with Lowara's SSV series of vertical multi-stage pumps for added flexibility in meeting pumping requirements. Additionally, five e-SV manufacturing facilities around the world provide shorter lead times and faster service. Applications: Water supply and pressure boosting Water treatment Light industry Irrigation and farming Heating, ventilation and air-conditioning

Item-Nr:	Description:
102830221	1SVH08F005T/4
102830251	1SVH09F005T/4
102830281	1SVH10F005T/4
102830311	1SVH11F005T/4
102830341	1SVH12F007T/4
102830371	1SVH13F007T/4
102830431	1SVH15F007T/4
102830491	1SVH17F011T/4
102830551	1SVH19F011T/4
102830641	1SVH22F011T/4
102830731	1SVH25F015T/4

102830791	1SVH27F015T/4
102830881	1SVH30F015T/4
102830941	1SVH32F022T/4
102831001	1SVH34F022T/4
102831091	1SVH37F022T/4
102831241	3SVH05F005T/4
102831271	3SVH06F005T/4
102831301	3SVH07F007T/4
102831331	3SVH08F007T/4
102831361	3SVH09F011T/4
102831391	3SVH10F011T/4
102831421	3SVH11F011T/4
102831451	3SVH12F011T/4
102831481	3SVH13F015T/4
102831511	3SVH14F015T/4
102831571	3SVH16F015T/4
102831661	3SVH19F022T/4
102831721	3SVH21F022T/4
102831781	3SVH23F022T/4
102831841	3SVH25F022T/4
102831901	3SVH27F030T/4
102831961	3SVH29F030T/4
102832021	3SVH31F030T/4
102832081	3SVH33F030T/4
102832171	5SVH03F005T/4
102832201	5SVH04F005T/4
102832231	5SVH05F007T/4
102832261	5SVH06F011T/4
102832291	5SVH07F011T/4
102832321	5SVH08F011T/4
102832351	5SVH09F015T/4
102832381	5SVH10F015T/4
102832411	5SVH11F015T/4
102832441	5SVH12F022T/4
102832471	5SVH13F022T/4
102832501	5SVH14F022T/4
102832531	5SVH15F022T/4
102832561	5SVH16F022T/4
102832621	5SVH18F030T/4
102832711	5SVH21F030T/4
102832771	5SVH23F040T/4
102832831	5SVH25F040T/4
102832921	5SVH28F040T/4
102832971	5SVH30F055T/4
102833031	5SVH33F055T/4
102833051	10SVH01F007T/4
102833081	10SVH02F007T/4
102833111	10SVH03F011T/4

102833141	10SVH04F015T/4
102833171	10SVH05F022T/4
102833201	10SVH06F022T/4
102833231	10SVH07F030T/4
102833261	10SVH08F030T/4
102833291	10SVH09F040T/4
102833321	10SVH10F040T/4
102833351	10SVH11F040T/4
102833401	10SVH13F055T/4
102833441	10SVH15F055T/4
102833481	10SVH17F075T/4
102833501	10SVH18F075T/4
102833541	10SVH20F075T/4
102833561	10SVH21F110T/4
102833581	15SVH01F011T/4
102833611	15SVH02F022T/4
102833641	15SVH03F030T/4
102833671	15SVH04F040T/4
102833701	15SVH05F040T/4
102833731	15SVH06F055T/4
102833751	15SVH07F055T/4
102833771	15SVH08F075T/4
102833791	15SVH09F075T/4
102833811	15SVH10F110T/4
102833831	15SVH11F110T/4
102833871	15SVH13F110T/4
102833901	15SVH15F150T/4
102833921	15SVH17F150T/4
102833931	22SVH01F011T/4
102833961	22SVH02F022T/4
102833991	22SVH03F030T/4
102834021	22SVH04F040T/4
102834051	22SVH05F055T/4
102834071	22SVH06F075T/4
102834091	22SVH07F075T/4
102834111	22SVH08F110T/4
102834131	22SVH09F110T/4
102834151	22SVH10F110T/4
102834181	22SVH12F150T/4
102834201	22SVH14F150T/4
102834231	22SVH17F185T/4

## LOWARA HM SM

## LOWARA HM SM - Stainless steel horizontal multistage pumps (Single Phase) - PRICES ON REQUEST



### NEW e-HM series: modern, robust and wider range

The hydraulic design combined with IE3 motors guarantee minimum operating costs.

The new pump body, high-quality bearings and the use of stainless steel ensure a long life.

The high efficiency hydraulics and motor, combined with the new pump body, reduce noise to a minimum.

e-HM for residential applications: reliable water supply for all types of buildings; from the single-family house to the 10-storey apartment building.

The new e-HM is available in several versions:

### Compact pump

On / off system with pressure switch and pressure tank

Pressure system controlled by the Genyo electronic control

Constant pressure system with variable speed pump

e-HM for industrial applications: complete offer for numerous applications such as the washing and cleaning industry, water treatment and processes in the agri-food industry.

AISI 304 or 316 Electrolytic polishing and passivation

Compact and high efficiency versions

Options in the choice of mechanical seals and Ors

Specifications

Flow rate: up to 29 m<sup>3</sup> / h Head: up to 160 m

Power supply: single and tri-phase 50 and 60 Hz Power: from 0.30 kW to 5.50 kW Maximum pressure: 16 bar Liquid temperature from -10 ° C to 120 ° C

Item-Nr:	Description:
104605251	1HM06S05M5HVBE ELP 220-240 50
104605261	1HM07S05M5HVBE ELP 220-240 50
104605271	1HM08S05M5HVBE ELP 220-240 50
104605281	1HM09S05M5HVBE ELP 220-240 50
104605301	1HM11S05M5HVBE ELP 220-240 50
104605311	1HM12S05M5HVBE ELP 220-240 50
104605331	1HM14S07M5HVBE ELP 220-240 50
104605351	1HM16S07M5HVBE ELP 220-240 50
104605371	1HM18S07M5HQBE ELP 220-240 50
104605391	1HM20S09M5HQBE ELP 220-240 50
104605411	1HM22S09M5HQBE ELP 220-240 50
104605441	1HM25S11M5HQBE ELP 220-240 50
104605511	3HM03S05M5HVBE ELP 220-240 50
104605521	3HM04S05M5HVBE ELP 220-240 50
104605531	3HM05S05M5HVBE ELP 220-240 50
104605541	3HM06S05M5HVBE ELP 220-240 50
104605551	3HM07S05M5HVBE ELP 220-240 50
104605561	3HM08S07M5HVBE ELP 220-240 50
104605571	3HM09S07M5HVBE ELP 220-240 50
104605581	3HM10S07M5HVBE ELP 220-240 50
104605591	3HM11S09M5HVBE ELP 220-240 50
104605601	3HM12S09M5HVBE ELP 220-240 50
104605611	3HM13S11M5HVBE ELP 220-240 50
104605621	3HM14S11M5HQBE ELP 220-240 50
104605641	3HM16S15M5HQBE ELP 220-240 50

104605651	3HM17S15M5HQBE ELP 220-240 50
104605671	3HM19S15M5HQBE ELP 220-240 50
104605691	3HM21S22M5HQBE ELP 220-240 50
104605751	5HM02S05M5HVBE ELP 220-240 50
104605761	5HM03S05M5HVBE ELP 220-240 50
104605771	5HM04S05M5HVBE ELP 220-240 50
104605781	5HM05S07M5HVBE ELP 220-240 50
104605791	5HM06S07M5HVBE ELP 220-240 50
104605801	5HM07S09M5HVBE ELP 220-240 50
104605811	5HM08S09M5HVBE ELP 220-240 50
104605821	5HM09S11M5HVBE ELP 220-240 50
104605831	5HM10S15M5HVBE ELP 220-240 50
104605841	5HM11S15M5HVBE ELP 220-240 50
104605851	5HM12S15M5HVBE ELP 220-240 50
104605861	5HM13S22M5HVBE ELP 220-240 50
104605871	5HM14S22M5HQBE ELP 220-240 50
104605881	5HM15S22M5HQBE ELP 220-240 50
104605901	5HM17S22M5HQBE ELP 220-240 50
104606001	10HM02S11M5HVBE ELP 220-240 50
104606011	10HM03S11M5HVBE ELP 220-240 50
104606021	10HM04S15M5HVBE ELP 220-240 50
104606031	10HM05S22M5HVBE ELP 220-240 50
104606041	10HM06S22M5HVBE ELP 220-240 50
104606171	15HM02S15M5HVBE ELP 220-240 50
104606181	15HM03S22M5HVBE ELP 220-240 50
104606281	22HM02S22M5HVBE ELP 220-240 50



## LOWARA HM ST

## LOWARA HM ST - Stainless steel horizontal multistage pumps (Thee Phase) - PRICES ON REQUEST



**NEW e-HM series: modern, robust and wider range**

The hydraulic design combined with IE3 motors guarantee minimum operating costs.

The new pump body, high-quality bearings and the use of stainless steel ensure a long life.

The high efficiency hydraulics and motor, combined with the new pump body, reduce noise to a minimum.

e-HM for residential applications: reliable water supply for all types of buildings; from the single-family house to the 10-storey apartment building.

The new e-HM is available in several versions:

**Compact pump**

On / off system with pressure switch and pressure tank

Pressure system controlled by the Genyo electronic control

Constant pressure system with variable speed pump

e-HM for industrial applications: complete offer for numerous applications such as the washing and cleaning industry, water treatment and processes in the agri-food industry.

AISI 304 or 316 Electrolytic polishing and passivation

Compact and high efficiency versions

Options in the choice of mechanical seals and Ors

Specifications

Flow rate: up to 29 m<sup>3</sup> / h Head: up to 160 m

Power supply: single and tri-phase 50 and 60 Hz Power: from 0.30 kW to 5.50 kW Maximum pressure: 16 bar Liquid temperature from -10 ° C to 120 ° C

Item-Nr:	Description:
104604011	1HM02S03T5RVBE ELP 23/40
104604021	1HM03S03T5RVBE ELP 23/40
104604031	1HM04S03T5RVBE ELP 23/40
104604041	1HM05S03T5RVBE ELP 23/40
104604051	1HM06S03T5RVBE ELP 23/40
104604061	1HM07S05T5RVBE ELP 23/40
104604071	1HM08S05T5RVBE ELP 23/40
104604081	1HM09S05T5RVBE ELP 23/40
104604101	1HM11S05T5RVBE ELP 23/40
104604111	1HM12S05T5RVBE ELP 23/40
104604131	1HM14S07T5RVBE ELP 23/40
104604151	1HM16S07T5RVBE ELP 23/40
104604171	1HM18S11T5RQBE ELP 23/40
104604191	1HM20S11T5RQBE ELP 23/40
104604211	1HM22S11T5RQBE ELP 23/40
104604241	1HM25S15T5RQBE ELP 23/40
104604301	3HM02S03T5RVBE ELP 23/40
104604311	3HM03S03T5RVBE ELP 23/40
104604321	3HM04S03T5RVBE ELP 23/40
104604331	3HM05S04T5RVBE ELP 23/40
104604341	3HM06S05T5RVBE ELP 23/40
104604351	3HM07S07T5RVBE ELP 23/40
104604361	3HM08S07T5RVBE ELP 23/40
104604371	3HM09S11T5RVBE ELP 23/40
104604381	3HM10S11T5RVBE ELP 23/40

104604391	3HM11S11T5RVBE	ELP 23/40
104604401	3HM12S11T5RVBE	ELP 23/40
104604411	3HM13S11T5RVBE	ELP 23/40
104604421	3HM14S15T5RQBE	ELP 23/40
104604441	3HM16S15T5RQBE	ELP 23/40
104604451	3HM17S15T5RQBE	ELP 23/40
104604471	3HM19S22T5RQBE	ELP 23/40
104604491	3HM21S22T5RQBE	ELP 23/40
104604551	5HM02S03T5RVBE	ELP 23/40
104604561	5HM03S04T5RVBE	ELP 23/40
104604571	5HM04S05T5RVBE	ELP 23/40
104604581	5HM05S07T5RVBE	ELP 23/40
104604591	5HM06S11T5RVBE	ELP 23/40
104604601	5HM07S11T5RVBE	ELP 23/40
104604611	5HM08S11T5RVBE	ELP 23/40
104604621	5HM09S15T5RVBE	ELP 23/40
104604631	5HM10S15T5RVBE	ELP 23/40
104604641	5HM11S15T5RVBE	ELP 23/40
104604651	5HM12S22T5RVBE	ELP 23/40
104604661	5HM13S22T5RVBE	ELP 23/40
104604671	5HM14S22T5RQBE	ELP 23/40
104604681	5HM15S22T5RQBE	ELP 23/40
104604701	5HM17S30T5RQBE	ELP 23/40
104604721	5HM19S30T5RQBE	ELP 23/40
104604741	5HM21S30T5RQBE	ELP 23/40
104604801	10HM02S07T5RVBE	ELP 23/40
104604811	10HM03S11T5RVBE	ELP 23/40
104604821	10HM04S15T5RVBE	ELP 23/40
104604831	10HM05S22T5RVBE	ELP 23/40
104604841	10HM06S22T5RVBE	ELP 23/40
104604851	10HM07S30T5RVBE	ELP 23/40
104604861	10HM08S30T5RVBE	ELP 23/40
104604871	10HM09S40T5VQBE	ELP 40/69
104604881	10HM10S40T5VQBE	ELP 40/69
104604891	10HM11S40T5VQBE	ELP 40/69
104604901	10HM12S55T5VQBE	ELP 40/69
104604911	10HM13S55T5VQBE	ELP 40/69
104604971	15HM02S15T5RVBE	ELP 23/40
104604981	15HM03S22T5RVBE	ELP 23/40
104604991	15HM04S30T5RVBE	ELP 23/40
104605001	15HM05S40T5VVBE	ELP 40/69
104605011	15HM06S55T5VVBE	ELP 40/69
104605021	15HM07S55T5VVBE	ELP 40/69
104605081	22HM02S22T5RVBE	ELP 23/40
104605091	22HM03S30T5RVBE	ELP 23/40
104605101	22HM04S40T5VVBE	ELP 40/69
104605111	22HM05S55T5VVBE	ELP 40/69

## LOWARA HM S ACCESSORI

LOWARA HM AC - Accessoried for Stainless steel  
horizontal multistage pumps - PRICES ON REQUEST



HM AC -Accessoried for Stainless steel horizontal multistage pumps

Item-Nr:	Description:
002110201	MANOM.0-6 D50 OT R1/4" ABS
002161101	PRESS FSG-2(1,4-4,6)RP1/4"ZNT
106111280	IDROS 24L/8B 1" FL ZNT AS-25
109120170	GENYO 8A/F15
109120180	GENYO 8A/F22
167320240	RACC 5VIE R1" NEU L91

## LOWARA SV KIT CONTROFLANGE FILETTATE

LOWARA SV Threaded counterflanges - PRICES ON  
REQUEST



Item-Nr:	Description:
109398000	KIT FLG 1-3SV RP1" PN25 ZNT
109398010	KIT FLG 5SV RP1"1/4 PN25 ZNT
109398020	KIT FLG 10SV RP1"1/2 PN25 ZNT
109398030	KIT FLG 15-22SV RP2" PN25 ZNT

## LOWARA ResiBoost

## LOWARA ResiBoost - PRICES ON REQUEST



RESIBOOST IS AN INTELLIGENT SYSTEM THAT AUTOMATICALLY CONTROLS THE SPEED OF THE PUMP, MAINTAINING THE PRESSURE OF THE CONSTANT SYSTEM. ResiBoost allows to maintain constant pressure regardless of the request for maximum comfort. The precise speed control makes maximum energy savings possible.

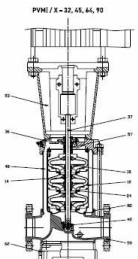
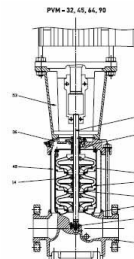
ResiBoost is designed to keep the pressure constant regardless of the request from the users, for maximum comfort. The precise speed control makes maximum energy savings possible. The highest quality components guarantee the high reliability of the system and professional operation for years. The system has built-in protection against various electrical and application anomalies. Modulated operation and ramp start ensure silent operation and longer pump life. Installation and commissioning are easy and quick for both the pump-mounted and wall-mounted versions.

Item-Nr:	Description:
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109951530	ResiBoost MMA06 DE I Max (A) 6
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## LOWARA PVMI - Vertical Multistage Centrifugal Pumps

## LOWARA PVMI - VERTICAL MULTISTAGE CENTRIFUGAL PUMPS - PRICES ON REQUEST



The PVM, PVMI and PVMX are non-self priming vertical multistage pump of in-line design, flange or with Victaulic coupling with equally sized suction and discharge ports. Stage construction with stainless steel impellers, chambers and pressure casing. Pump stub shaft and motor shaft of the IEC-standards motor are directly close coupled. All pumps are equipped with high efficiency motors (IE3) and with a cartridge type mechanical seal for easy maintenance. PVM, PVMI and PVMX pumps have different pump sizes and various numbers of stages to provide the flow and the pressure required

Applications

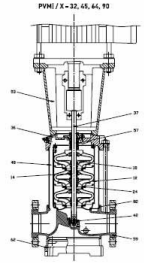
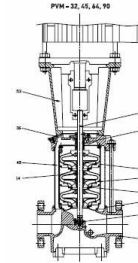
- Water supply
- Pressure boosting systems
- Water treatment/filtration
- Irrigation
- High pressure washes
- Liquid transfer
- Firefighting systems
- Boiler feed

Item-Nr:	Description:
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PVMI 1-3-5-10-15-20-32-45-64-90-120-150	PVMI 1-3-5-10-15-20-32-45-64-90-120-150 (Prices upon request)
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## LOWARA PVM - Vertical Multistage Centrifugal Pumps

## LOWARA PVM - VERTICAL MULTISTAGE CENTRIFUGAL PUMPS - PRICES ON REQUEST



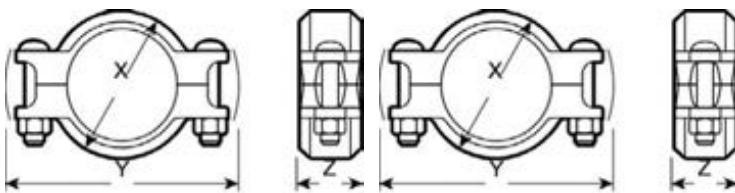
The PVM, PVMI and PVMX are non-self priming vertical multistage pump of in-line design, flange or with Victaulic coupling with equally sized suction and discharge ports. Stage construction with stainless steel impellers, chambers and pressure casing. Pump stub shaft and motor shaft of the IEC-standards motor are directly close coupled. All pumps are equipped with high efficiency motors (IE3) and with a cartridge type mechanical seal for easy maintenance. PVM, PVMI and PVMX pumps have different pump sizes and various numbers of stages to provide the flow and the pressure required

- Applicat ions
- Water supply
  - Pressure boosting systems
  - Water treatment/filtration
  - Irrigation
  - High pressure washes
  - Liquid transfer
  - Firefighting systems
  - Boiler feed

Item-Nr:	Description:
PVM 1-3-5-10-15-20-32-45-64-90-120-150 (Prices upon request)	
PVMX 1-3-5-10-15-20-32-45-64-90-120-150 (Prices upon request)	
VLR/VLRI/VLRX	VERTICAL MULTISTAGE CENTRIFUGAL PUMPS - NOCCHI - Price upon request

## LOWARA PVM/PVMI/PVMX- Pumps accessories- Victaulic fittings

## LOWARA - ACCESSORIES FOR VERTICAL MULTISTAGE CENTRIFUGAL PUMPS VICTAULIC fittings



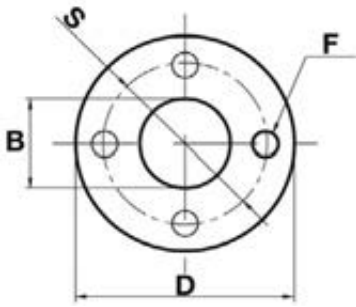
VICTAULIC fittings

Note: A set consists of two semi-joints, a gasket, nuts and bolts

Item-Nr:	Description:
ZA011220	Victaulic CPLG 2" PVMI 10/15/20 AISI 304
ZA011230	Victaulic CPLG 1'-1/4" PVMX 1/3/5 AISI316 PN80 dim 68-117- 45
ZA011240	Victaulic CPLG 2" PVMX 10/15/20 AISI 316

## PVM/PVMI/PVMX - Pumps accessories CDIN Flanges

## LOWARA - ACCESSORIES FOR VERTICAL MULTISTAGE CENTRIFUGAL PUMPS - DIN Conterflanges



Pair of complete circular flanges of bolts and gaskets

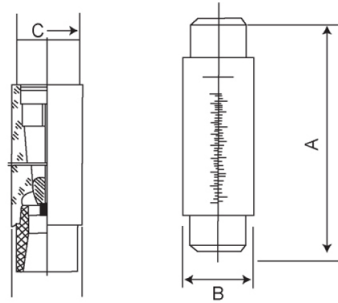
PRODUCT RANGE  
G

Item-Nr:	Description:
ZA010970	Pair of circularflanges with bolts and joint - steel DN25 PN25
ZA010980	Pair of circularflanges with bolts and joint - steel DN32 PN25
ZA010990	Pair of circularflanges with bolts and joint - steel DN40 PN25
ZA011000	Pair of circularflanges with bolts and joint - steel DN25 PN25
ZA011010	Pair of circularflanges with bolts and joint - steel DN50 PN25
ZA011020	Pair of circularflanges with bolts and joint - steel DN80 PN25
ZA011030	Pair of circularflanges with bolts and joint - steel DN100 PN16
ZA011040	Pair of circularflanges with bolts and joint - steel DN100 PN25
ZA011050	Pair of circularflanges with bolts and joint - stainless steel AISI304 DN25 PN25
ZA011060	Pair of circularflanges with bolts and joint - stainless steel AISI304 DN32 PN25
ZA011070	Pair of circularflanges with bolts and joint - stainless steel AISI304 DN40 PN25
ZA011080	Pair of circularflanges with bolts and joint - stainless steel AISI304 DN50 PN25
ZA011090	Pair of circularflanges with bolts and joint - stainless steel AISI304 DN65 PN25
ZA011100	Pair of circularflanges with bolts and joint - stainless steel AISI304 DN80 PN25
ZA011110	Pair of circularflanges with bolts and joint - stainless steel AISI304 D100 PN16
ZA011120	Pair of circularflanges with bolts and joint - stainless steel AISI304 DN100 PN25
ZA011130	Pair of circularflanges with bolts and joint - stainless steel AISI316 DN25 PN25
ZA011140	Pair of circularflanges with bolts and joint - stainless steel AISI316 DN32 PN25
ZA011150	Pair of circularflanges with bolts and joint - stainless steel AISI316 DN40 PN25
ZA011160	Pair of circularflanges with bolts and joint - stainless steel AISI316 DN50 PN25
ZA011170	Pair of circularflanges with bolts and joint - stainless steel AISI316 DN65 PN25
ZA011180	Pair of circularflanges with bolts and joint - stainless steel AISI316 DN80 PN25
ZA011190	Pair of circularflanges with bolts and joint - stainless steel AISI316 DN100 PN16
ZA011200	Pair of circularflanges with bolts and joint - stainless steel AISI316 DN100 PN25

## FLOWMETERS

### ROFM-LZTG

### Round or square tubular axial flowmeters

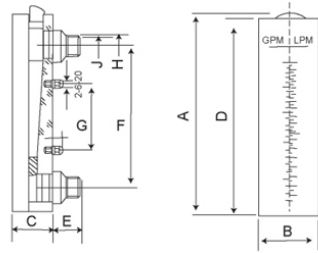


Item-Nr:	Description:
FMLZT001GR	Tube type axial flowmeter 1 GPM FML Series Type G
FMLZT001GS	Square tube type axial flowmeter 1 GPM FML Series Type G
FMLZT002GR	Tube type axial flowmeter 2 GPM FML Series Type G
FMLZT002GS	Square tube type axial flowmeter 2 GPM FML Series Type G
FMLZT005GR	Tube type axial flowmeter 5 GPM FML Series Type G
FMLZT005GS	Square tube type axial flowmeter 5 GPM FML Series Type G
FMLZT005GSxxx	Tube type axial flowmeter 5 GPM FML Series Type G
FMLZT010GR	Tube type axial flowmeter 10 GPM FML Series Type G
FMLZT010GS	Square tube type axial flowmeter 10 GPM FML Series Type G
FMLZT016GR	Tube type axial flowmeter 16 GPM FML Series Type G
FMLZT016GS	Square tube type axial flowmeter 16 GPM FML Series Type G
FMLZT020GR	Tube type axial flowmeter 20 GPM FML Series Type G
FMLZT020GS	Square tube type axial flowmeter 20 GPM FML Series Type G
FMLZT035GR	Tube type axial flowmeter 20 GPM FML Series Type G
FMLZT035GS	Square tube type axial flowmeter 35 GPM FML Series Type G
FMLZT040GR	Tube type axial flowmeter 20 GPM FML Series Type G
FMLZT040GS	Square tube type axial flowmeter 40 GPM FML Series Type G
FMLZT060GR	Tube type axial flowmeter 20 GPM FML Series Type G
FMLZT060GS	Square tube type axial flowmeter 60 GPM FML Series Type G
FMLZT100GR	Tube type axial flowmeter 100 GPM FML Series Type G
FMLZT100GS	Square tube type axial flowmeter 100 GPM FML Series Type G
FMLZT150GR	Tube type axial flowmeter 150 GPM FML Series Type G
FMLZT150GS	Square tube type axial flowmeter 150 GPM FML Series Type G
FMLZT200GR	Tube type axial flowmeter 200 GPM FML Series Type G
FMLZT200GS	Square tube type axial flowmeter 200 GPM FML Series Type G



## ROFM-LZTM

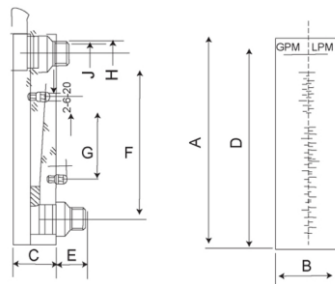
## Panel-type flowmeters



Item-Nr:	Description:
FMLZT001M	Panel type square flowmeter 1 GPM FML Series Type M
FMLZT002M	Panel type square flowmeter 2 GPM FML Series Type M
FMLZT005M	Panel type square flowmeter 5 GPM FML Series Type M
FMLZT010M	Panel type square flowmeter 10 GPM FML Series Type M
FMLZT035M	Panel type square flowmeter 35 GPM FML Series Type M
FMLZT040M	Panel type square flowmeter 40 GPM FML Series Type M
FMLZT050M	Panel type square flowmeter 50 GPM FML Series Type M

## ROFM-LZTMV

## Panel-type flowmeters with valve



Item-Nr:	Description:
FMLZT001MV	Panel type square flowmeter 1 GPM adjustable FML Series Type MV
FMLZT002MV	Panel type square flowmeter 2 GPM adjustable FML Series Type MV
FMLZT005MV	Panel type square flowmeter 5 GPM adjustable FML Series Type MV
FMLZT010MV	Panel type square flowmeter 10 GPM adjustable FML Series Type MV
FMLZT020MV	Panel type square flowmeter 20 GPM adjustable FML Series Type MV



## 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 body stainless steel S304 0-10 bar back connection ¼" in brass
PGF63OXB16R02T	Oil-filled pressure gauge Ø63 body stainless steel S304 0-16 bar back connection ¼" in brass
PGF63OXB25R02T	Oil-filled pressure gauge Ø63 body stainless steel S304 0-25 bar back connection ¼" 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 body stainless steel S304 0-10 bar radial connection ¼" in brass
PGV63OXB16R02T	Oil-filled pressure gauge Ø63 body stainless steel S304 0-16 bar radial connection ¼" in brass
PGV63OXB25R02T	Oil-filled pressure gauge Ø63 body stainless steel S304 0-25 bar radial connection ¼" in brass

## AC O/I Micro - Needle valve - brass

### Needle valves - Micro Series - Brass



Item-Nr:	Description:
RSOT58A104FFST	Flow regulating needle valve MicroB in brass inlet/outlet 1/4" F/F

## AC O/I Micro - Needle valve - plastic

### Needle valves - Micro Series - Plastic



Item-Nr:	Description:
RSPLACA104FFST	Flow regulating needle valve MicroP in acetal resin inlet / outlet 1/4 "quick bayonet
RSPLACSUPP	Plastic support for flow regulating needle valve MicroP

## AC O/I RO-FV

### RO Accessories - Plastic valves

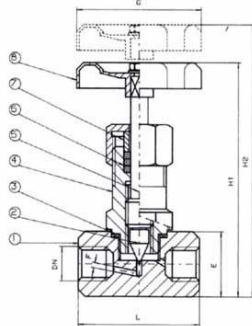


Item-Nr:	Description:
ROFLV014QF	Plastic valve straight 1/4" tube quick fitting both sides
ROFLV038D	Plastic valve straight 3/8" F

## NEEDLE VALVES

### Rubinetti a spillo-Needle valve NV03-S Series

Needle valves in AISI316L Stainless steel NV03-S Series



DIMENSIONI / DIMENSIONS		1/4"	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
DN	8	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	183	
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



**Technical features and manufacturing characteristics**  
The rotary vane pump is brass made with a stainless steel AISI 303 rotor, while the pumping chamber and the vanes are in carbon graphite. The inlet and outlet ports are 3/8" GAS or NPT threaded. The pumps are designed to be directly mounted to the motor with a stainless steel clamp. For different mounting arrangements see our technical info "optional mountings".  
Maximum operative temperature: 70 °C (158 F).

Available upon request:

- Viton®/EPDM seals
- Built-in relief valve
- Built-in 100 mesh strainer
- Flange mount
- California AB 1953 compliant brass

**MAIN APPLICATION** Soda circulation

- Cooling systems
  - Booster systems
  - Water treatment
- TECHNICAL FEATURES** Pump housing material Brass - Pumping chamber Carbon graphite - Ports 3/8" and 1/2" GAS or NPT Pump weight PO-50-400 Clamp mount 1.2 kg (2.7 lb) Flange mount 1.5 kg (3.3 lb) PO-500-1000 Clamp mount 1.9 kg (4.2 lb) Flange mount 2 kg (4.4 lb) -Max static pressure 20 bar/290 psi Speed limit 1725 rpm

Item-Nr:	Description:
CPA0104ANANN0000	Rotary vane pump in brass 100 l/h w/by pass
CPA0150ANANN0000	Rotary vane pump in brass 150 l/h w/out by pass
CPA0154ANANN0000	Rotary vane pump in brass 150 l/h w/by pass
CPA0200ANANN0000	Rotary vane pump in brass 200 l/h w/out by pass
CPA0204ANANN0000	Rotary vane pump in brass 200 l/h w/by pass
CPA0250ANANN0000	Rotary vane pump in brass 250 l/h w/out by pass
CPA0300ANANN0000	Rotary vane pump in brass 300 l/h w/out by pass
CPA0304ANANN0000	Rotary vane pump in brass 300 l/h with by pass
CPA0400ANANN0000	Rotary vane pump in brass 400 l/h w/out by pass
CPA0404ANANN0000	Rotary vane pump in brass 400 l/h with by pass
CPA0504ANANN0000	Rotary vane pump in brass 500 l/h w/by pass
CPA0600ANANN0000	Rotary vane pump in brass 600 l/h w/out by pass
CPA0601ANDNN0000	Rotary vane pump in brass 600 l/h with by pass
CPA0800ANANN0000	Rotary vane pump in brass 800 l/h w/out by pass
CPA0801ANDNN0000	Rotary vane pump in brass 800 l/h with by pass
CPA1000ANANN0000	Rotary vane pump in brass 1000 l/h w/out by pass
CPA1001ANDNN0000	Rotary vane pump in brass 1000 l/h with by pass

## Rotary vane pump INOX

## Rotary vane pumps in stainless steel - PRICES ON REQUEST



Technical features and manufacturing characteristics The housing and the rotor are in stainless steel AISI 303, while the pumping chamber and the vanes are in carbon graphite. Inlet and outlet ports are 3/8" GAS or NPT threaded. A built-in adjustable relief valve to protect the pump and the system from unexpected pressure spikes is also available upon request. The pump can be connected to direct coupling motors with a stainless steel clamp or to M71 and M80 UNELMEC or NEMA 56C frame motors with the Fluid-o-Tech® coupling and adapter set. Maximum operative temperature: 70 °C (158 F). Available upon request: • Viton®/EPDM seals • Built-in relief valve • Flange mount

MAIN APPLICATION Soda circulation

- Cooling systems
- Booster systems

TECHNICAL FEATURES Pump housing material Stainless steel - Pumping chamber Carbon graphite - Ports 3/8" and 1/2" GAS or NPT Pump weight PO-50-400 Clamp mount 1.2 kg (2.7 lb) Flange mount 1.5 kg (3.3 lb) PO-500-1000 Clamp mount 1.9 kg (4.2 lb) Flange mount 2 kg (.4.4 lb) -Max static pressure 20 bar/290 psi Speed limit 1725 rpm

Item-Nr:	Description:
CPA0100BH0NN0000	Rotary vane pump in stainless steel 100 l/h w/out by pass
CPA0101BH0NN0000	Rotary vane pump in stainless steel 100 l/h with by pass
CPA0200BH0NN0000	Rotary vane pump in stainless steel 200 l/h w/out by pass
CPA0201BH0NN0000	Rotary vane pump in stainless steel 200 l/h with by pass
CPA0300BH0NN0000	Rotary vane pump in stainless steel 300 l/h w/out by pass
CPA0301BH0NN0000	Rotary vane pump in stainless steel 300 l/h with by pass
CPA0400BH0NN0000	Rotary vane pump in stainless steel 400 l/h w/out by pass
CPA0401BH0NN0000	Rotary vane pump in stainless steel 400 l/h with by pass
CPA0500BN0NN0000	Rotary vane pump in stainless steel 500 l/h w/out by pass
CPA0501BH0NN0000	Rotary vane pump in stainless steel 500 l/h with by pass
CPA0600BN0NN0000	Rotary vane pump in stainless steel 600 l/h w/out by pass
CPA0601BH0NN0000	Rotary vane pump in stainless steel 600 l/h with by pass
CPA0800BN0NN0000	Rotary vane pump in stainless steel 800 l/h w/out by pass
CPA0801BH0NN0000	Rotary vane pump in stainless steel 800 l/h with by pass
CPA1000BN0NN0000	Rotary vane pump in stainless steel 1000 l/h w/out by pass
CPA1001BN0NN0000	Rotary vane pump in stainless steel 1000 l/h with by pass

## Rotary vane pumps - PPS

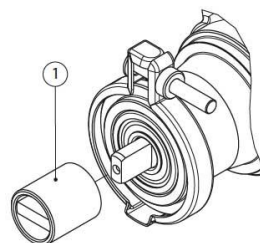
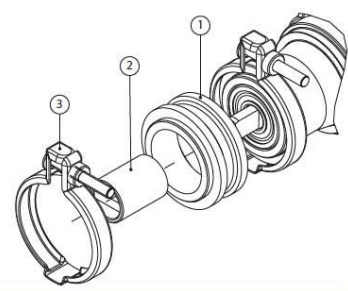
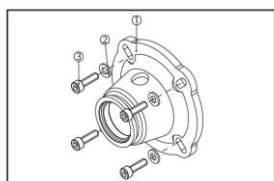
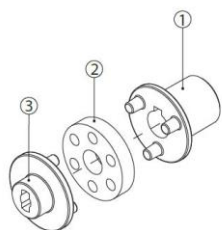
## Rotary vane pumps in PPS



Item-Nr:	Description:
CPR0304PE000	Rotary vane pump in PPS 100 l/h w/ short by pass

## Rotary vane pump-accessories

## Accessories for rotary vane pumps and electric motors



Technical features and manufacturing characteristics The housing and the rotor are in stainless steel AISI 303, while the pumping chamber and the vanes are in carbon graphite. Inlet and outlet ports are 3/8" GAS or NPT threaded. A built-in adjustable relief valve to protect the pump and the system from unexpected pressure spikes is also available upon request. The pump can be connected to direct coupling motors with a stainless steel clamp or to M71 and M80 UNELMEC or NEMA 56C frame motors with the Fluid-o-Tech® coupling and adapter set. Maximum operative temperature: 70 °C (158 F). Available upon request: • Viton®/EPDM seals • Built-in relief valve • Flange mount

### MAIN APPLICATION Soda circulation

- Cooling systems
  - Booster systems
  - Water treatment
- TECHNICAL FEATURES** Pump housing material Stainless steel - Pumping chamber Carbon graphite - Ports 3/8" and 1/2" GAS or NPT Pump weight PO-50-400 Clamp mount 1.2 kg (2.7 lb) Flange mount 1.5 kg (3.3 lb) PO-500-1000 Clamp mount 1.9 kg (4.2 lb) Flange mount 2 kg (.4.4 lb) -Max static pressure 20 bar/290 psi Speed limit 1725 rpm

Item-Nr:	Description:
CPADC	Male-female dumper coupling
CPAGMB14M71	Giunto completo I-Ø 14 M71 B14
CPAGMB14M80	Giunto completo I-Ø 19 M80 B14
CPAKALB14M71	Ensemble adaptateur 71 B14 M, en forme de lanterne
CPAKALB14M80	Ensemble adaptateur M80 B14 , en forme de lanterne
KIT48YZ	Adapter kit 48YZfor rotary vane pumps

## ELECTRIC MOTORS

### Motori elettrici-Electric motors

### Electric motors - single phase



Item-Nr:	Description:
MTMCH0550VE	Electric Motor 550W closed IP55 externally open
MTMCH0560VE	Electric Motor 560 W closed externally open
MTMCH0640VE	Electric Motor 640W closed IP55 externally open
MTMSA0150VI	Electric Motor 150W semi-open - internally ventilated
MTMSA0180VE	Electric Motor 180W semi-open - externally ventilated
MTMSA0245	Electric Motor 245W semi-open

### Motori speciali-Special motors

### Special electric motors water cooled - single phase



This motor is featuring extremely reduced dimensions, making it easy to install it in any type of RO system, coffee machines, vending machines etc. Specifications are: KW.018 four-pole voltage and frequency on request. Diameter max. 100 mm. Length 128 mm excluding pump. Class F insulation It can be placed in any environment not needing air for cooling (water cooling)

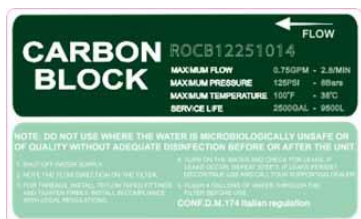
Item-Nr:	Description:
MTMCH0200RA	Special electric Motor 64/C – water cooled 200 W
MTMCH0300RA	Special electric Motor 64/C – water cooled 300 W



## IN-LINE FILTERS

### FILTRI IN LINEA CB

CB CTO carbon block in-line filters certified according to Ministerial Decree 174



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
ROCB122501038	In-line carbon block filter 12" x 2,5" inlet/outlet 3/8" NPT F

### FILTRI IN LINEA GAC

GAC In-line filters granular activated carbon certified according to Ministerial Decree 174



Item-Nr:	Description:
ROGC102001014	In-line carbon filter 10"x 2" inlet/outlet 1/4" NPT F
ROGC122501014	In-line carbon filter 12" x 2,5" inlet/outlet 1/4" NPT F
ROGC122501014S	In-line carbon filter GAC silver-impregnated 12"x 2,5" inlet/outlet 1/4" NPT F



## FILTRI IN LINEA PP per sedimenti

In-line filters activated carbon certified according to Ministerial Decree 174



Item-Nr:	Description:
ROPP102001014	In-line sediment filter 10"x2" inlet/outlet 1/4" NPT F
ROPP122501014	In-line sediment filter 12"x2,5" inlet/outlet 1/4" NPT F

## IN-LINE UF-ULTRAFILTRATION MEMBRANES

### WCUF Membrane UF Ultrafiltrazione IN LINEA

In-line UF-ultrafiltration membranes certified according to Ministerial Decree 174



Item-Nr:	Description:
WCUF1225QF	IN-LINE UF ultrafiltration MEMBRANE 12X2,5 "ATT.QUICK ¼ w/ith stem

## ALKALINE FILTERS

### CS SUPER GOLD alkaline,ORP,mineral

CS Super Gold -Alkaline in line pH increase filter, ORP reduction, mineralizing certified Ministerial Decree 174



Item-Nr:	Description:
ROSMF1020014FF	CS Super Gold Alkaline in line pH increase filter, ORP reduction, mineralizing 10"x2" 1/4" Female connections
ROSMF1125014LL	CS Super Gold Alkaline in line pH increase filter, ORP reduction, mineralizing 12 "x2.5" 1/4 "connections with

## COMPONENTS FOR POINT-OF\_USE HOUSE AND HO.RE.CA WATER SYSTEMS

### STAFFE OI - RO BRACKETS

#### RO brackets



Item-Nr:	Description:
ROSF02VB01	RO bracket double powder-coated white
ROSF03VB01	RO bracket triple powder-coated white MOD.BRST3 U
ROSF03VB02	RO bracket triple powder-coated white MOD.ROB S
ROSP01VB01	RO single support bracket powder-coated white MOD.BRST1

### 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
OR2512FA005	Filter cartridge PP string-wound 12" Mod OR SLIM top mount w/O-RING
OR2512PP005	Filter cartridge PP melt-blown 12" Mod OR SLIM top mount w/O-RING

## SERB O/I

## RO Storage tanks



Item-Nr:	Description:
ROST020SWP	Metal storage tank 2 gallons powder-coated white
ROST028SWP	Metal storage tank 2,8 gallons powder-coated white
ROST032SBP	Metal storage tank 3,2 gallons (12 liters) powder-coated blue
ROST032SWP	Metal storage tank 3,2 gallons (12 liters) powder-coated white
ROST040PLW	Plastic Storage tank NSF certified 4 gallons (13 liters) white
ROST200SBP	Metal storage tank 20 gallons powder-coated blue

## POMPE OSMOSI

## RO diaphragm booster pumps QH Series



Item-Nr:	Description:
ROBP050038FQH	RO diaphragm Pump QH 50 GPD flow rate $\geq 0.6$ l/min; 3/8"NPT connector; Max current: 1.0A
ROBP100038FQH	RO diaphragm Pump QH 100 GPD flow rate $\geq 1.00$ l/min; 3/8"NPT connector; Max current: 1.4A
ROBPTRA012AQH	24V 1.2A Power Adapter with EU plug QH
ROBPTRA015AQH	24V 1.5A Power Adapter with EU plug QH

## POMPE OSMOSI EF

## RO diaphragm booster pumps EF Series



Item-Nr:	Description:
ROBP010038EF	RO diaphragm Pump EF 100 GPD flow rate $\geq 1.00$ l/min; 3/8"NPT connector;Max current: 1.4A
ROBP015038EF	RO diaphragm Pump EF 150 GPD flow rate $\geq 1,5$ l/min; 3/8"NPT connector;Max current :2,0 A
ROBP020038EF	RO diaphragm Pump EF 200 GPD flow rate $\geq 1,9$ l/min; 3/8"NPT connector;Max current :2,5 A
ROBP030038EF	RO diaphragm Pump EF 300 GPD flow rate $\geq 2,7$ l/min; 3/8"NPT connector;Max current :3,2 A
ROBP040038EF	RO diaphragm Pump EF 300 GPD flow rate $\geq 2,95$ l/min; 3/8"NPT connector;Max current :4,2 A
ROBP050038EF	RO diaphragm Pump EF 500 GPD flow rate $\geq 3,25$ l/min; 3/8"NPT connector;Max current :4,2 A
ROBP060038EF	RO diaphragm Pump EF 600 GPD flow rate $\geq 3,6$ l/min; 3/8"NPT connector;Max current :4,5 A
ROBPTRA015A	24V 1.5A Power Adapter with EU plug
ROBPTRA020A	24V 2.0A Power Adapter with EU plug
ROBPTRA030A	24V 3.0A Power Adapter with EU plug
ROBPTRA040A	24V 4.0A Power Adapter with EU plug
ROBPTRA050A	24V 5.0A Power Adapter with EU plug

## POMPE OSMOSI SH

## RO diaphragm booster pumps SH Series



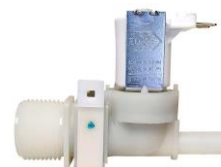
Item-Nr:	Description:
ROBPSH480900T	BP-900 SHP Diaphragm RO-booster pump Super High Performance 4.5 l/m quick couplings 3/8" spigot including

## AC O/I

## Accessories for household RO systems



Item-Nr:	Description:
EVDPA220S08ER	Double solenoid valve straight Type ER 220v 8l/m quick coupling hose 8 mm (5/16")
EVDPA220S08SLE	Double solenoid valve, angled Type SLE 220V 8l/m PA hoze nozzle ø10,5x12
EVESERSTAFF	Fixing bracket for single solenoid valve Type EK
EVSPA220S08EK	Single straight solenoid valve Type EK 220 v 8l/m inlet connection 3/4" BSPT M - hose connection 10.5
EVSPA220S08EKC	Single solenoid valve w/water meterType EK 220V 8l/m inlet 3/4" BSPT M x hose connection 10.5
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")



ROCS000100G PVC single clip Ø 63 mm (2 1/2")



ROCS000200B PVC single clip Ø 50 mm (2")



RODC00001 Drain clamp for RO system w/ screws



ROFLV038A Automatic flush valve 3/8"



ROFR300L014FF Flow restrictor 1/4" F/F



ROFR300L014QF Flow restrictor 1/4" quick-fittings 300 GPM

ROFR350L01 Flow restrictor 1/4" F/F 350 GPM

ROFR800L01 Flow restrictor 1/4" F/F 800 GPM

ROFV014 RO membrane flushing valve

ROHPS014F High pressure switch inlet/outlet 1/4" Jaco style fitting



ROHPS014QF High pressure switch inlet/outlet 1/4" quick fittings



ROK2SC10AC Filtration set 1 sediment + 1 carbon in line filters 10" w/accessories

ROLPS014F Low pressure switch inlet/outlet 1/4"

ROLPS014QF Low pressure switch inlet/outlet 1/4" quick fittings

ROLY04EUSM Electrolysis demonstrative device EU Plug SM

RONI014014NPT Nipple 1/4" NPT

ROSBV038OT Inlet water supply ball valve kit for RO system IN BRASS

ROSO001JF Shut-off valve with 1/4" Jaco style fittings





ROSO002QF Shut-off valve with 1/4" push-in quick fittings



ROTV000001MF Tank ball valve 1/4" M/F



TEFL00751210 Teflon band 0,075x12x10 mm - roll



TEFL00751220 Teflon band 0,075x12x20 mm - roll

VAMS14OTCR Diverter Valve w/nozzle 1/4"

VASF1438OTCR Ball valve 1/4" - 3/8" brass chrome-plated



VASFFT121412OTCR Ball valve adapter 1/2" 1/4" 1/2" brass chrome-plated



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)

ROTDS03SR

TDS (range 1-1999 ppm) and temperature (C° and F°) meter - white

### EL-TESTER pH

#### Digital pH meter



Item-Nr:

Description:

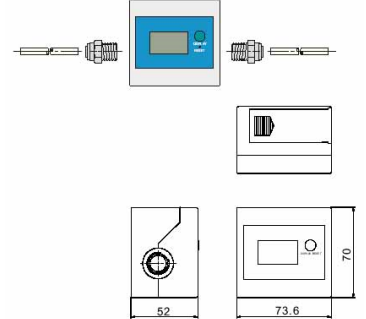
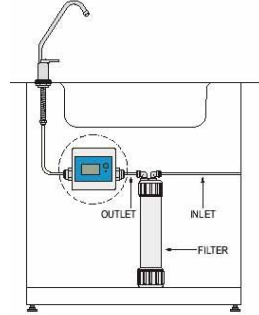
ROPHH01F

pH meter (with backlight)

## 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 filter monitor indicating time elapsed and volume of water used

## 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:
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DF6100R	DigiFlow 6100R, multi-filter monitor and flow totalizer., 1/4" BSP connection, 1.5 meter cable, 0.6~8 liter/min
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## 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:
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DF6000R	DigiFlow 6000R, DigiFlow 6000R, LCD display multi-filter monitor and flow totalizer. (Liter mode), 3/8" NPT
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## 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. Liter mode. 3/8"BSP connection, 1.5 meter cable, 0.8~15 l/m., Programmable

## WATER LEAKAGE SAFETY DEVICES

### AS-414 Auto shut-off safety valve w/acoustic alarm



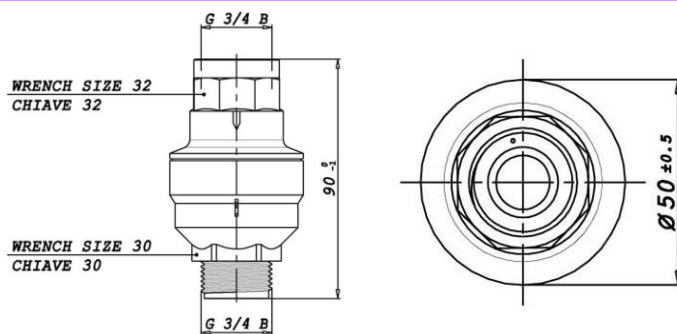
Auto shut off water when water leak is detected  
9V alkaline battery operated  
Auto shut off when low battery power  
Easy installation  
Protection for water filter, water softener

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 Auto shut-off valve for water leak, 1/2" BSP male-male, auto shut-off & audible alert for water leak, auto

## WATER BLOCK

### WATER BLOCK Overflow Safety Device (Meter controlled)



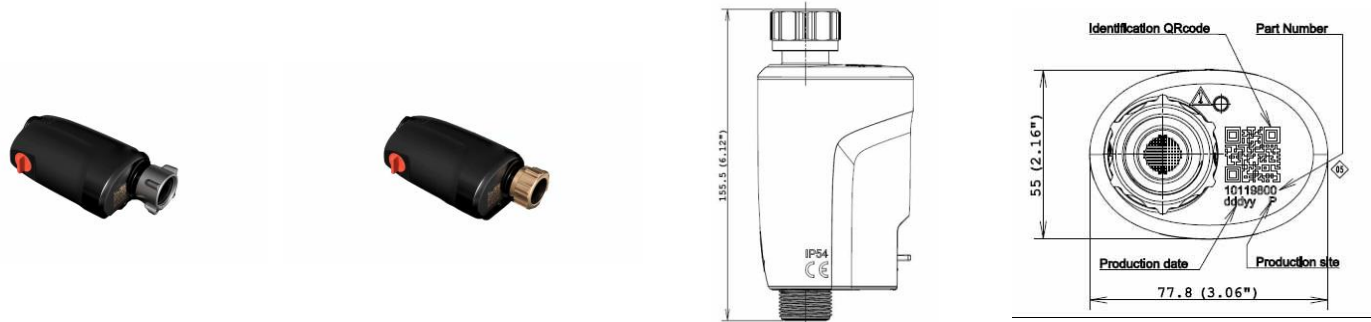
The Water Block valve is an overflow safety device, which controls the maximum consumption of water between 5 and 50 litres. Its function is to measure the number of litres of water that have passed through it. If this quantity exceeds the set value, the Water Block stops the flow and keeps this safety 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:  
3/4" - threaded female connection in the inlet (North America-GHT / Europe-BSP). 3/4" - threaded male connection in the outlet (North America-GHT / Europe-BSP). Vertical assembly preferred.  
Maximum volume value settable 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-WATERBLOCKThe 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, contributesto the company sustainability report thanks to the control ofwaste of water. Easy to install: it is inserted upstream of the water connection and does not require any electrical connection or the use of toolsof the intervention of professionals. The automatic blocking system in the event of leaks preserves environments and environmental water resourcesThe technological solution that contributes to the balance sheetof corporate sustainability.

Prevent damage caused by flooding and preservewater 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 DispensersIce Dispensers

Item-Nr:	Description:
EWBLOCK	E-WETRBLOCK electronic overflow safety device (meter controlled)

## COMPRESSORS

### Compressors 50-60Hz 220-240V



Item-Nr:	Description:
CPHCB38GR134A	Compressor 1/8" HP R134A 220-240V 50-60Hz





## DOSING PUMPS, DOSING SYSTEMS AND ACCESSORIES

DOSING PUMPS - TEST KITS - PULSE EMITTING WATER METERS - TANKS FOR DOSING SYSTEMS - MIXERS

## DOSING PUMPS

### EMEC V

### EMEC V Series dosing pumps



Item-Nr:	Description:
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EMEC-V	EMEC dosing pumps - V Series - Discount based on the original EMEC price list
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### EMEC K

### EMEC K Series dosing pumps

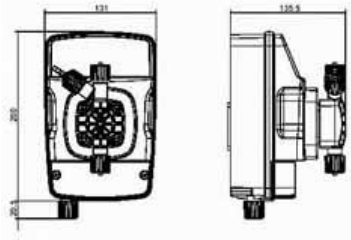


Item-Nr:	Description:
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EMEC-K	EMEC dosing pumps - K Series - Discount based on the original EMEC price list
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## ONE-Basic

## Dosing pumps One-Basic high frequency (180 impulses/m)



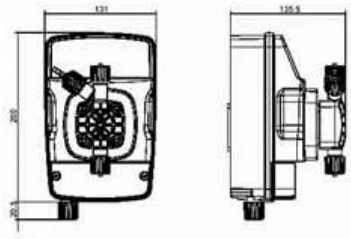
One Basic - Dosing pump has a manual control for the flow rate and dosing frequency (180 impulses/min). The pump has a microcontroller regulated by a Dial Control Knob. Power supply 100:250 Vac (50-60 Hz) - Power 32 W. The settings available are the following: - Flow rate setting 0-100% and 0-20% - Proportional mode 1:1 - Level control setting (without probe)

Item-Nr:	Description:
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ONE-Basic	ETATRON dosing pumps - ONE-Basic Series - Discount based on the original ETATRON price list
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## ONE-MA

## Dosing pumps One-MA high frequency (300 impulses/m)



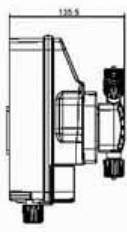
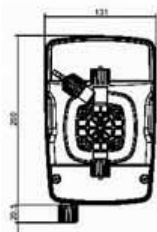
One MA Dosing pump has a manual control for the flow rate and dosing frequency (300 impulses/min). The pump has a microcontroller regulated by a Dial Control Knob. Power supply 100:250 Vac (50-60 Hz) - Power 26 W. The settings available are the following: - Flow rate setting 0-100% and 0-20% - Proportional mode 1:1 - UNDERLOAD/Suction alarm OVERLOAD/Discharge alarm - Level control setting (without probe)

Item-Nr:	Description:
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ONE-MA	ETATRON dosing pumps - ONE-MA Series - Discount based on the original ETATRON price list
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## ONE-MF

## Dosing pumps One-MF - multifunction microprocessor dosing pump



Multifunction microprocessor dosing pump, suitable for applications which require proportional dosing. The pump operates at a high dosing frequency (300 impulses/min) and is equipped with backlit graphic display for correct setting of the various programming parameters. The functions performed by the pump are as follows:

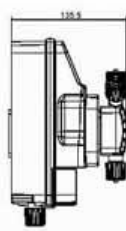
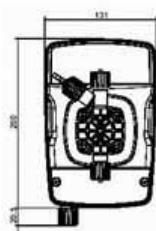
- Calibration procedure of the actual impulse injection rate delivered to a specified need
- Manual flow rate regulation 0..100 %, 0..300 impulses/min
- Proportional mode 1 x n (pulse multiplier), at each signal from the pulse supply emitting meter corresponds "n" injections of the pump, during the injections any following pulses neglected
- Proportional mode 1 x n(M) (pulse multiplier with memory), at each signal from the pulse supply emitting meter corresponds "n" injections of the pump, during the injections the following pulses from the meter are memorized and the pump modifies "n" (injections to be delivered) in proportional to the pulses received from the meter during the dosing
- 1:n function (pulse divider), at each signal from the pulse supply emitting meter the pump delivers a dosing product injection
- ml x 1, at each signal from the pulse supply emitting meter the pump delivers a specific amount of the dosing product in "ml" (millilitres), corresponding to the value set during the programming phase
- l x 1 function, at each signal from the pulse supply emitting meter the pump delivers a specific amount of dosing product in "l" (litres), corresponding to the value set during the programming phase

- ml x m3 function, at each signal from the pulse supply emitting meter which indicates the transition of 1 m3 of solution, the pump delivers a specific amount of dosing products in "ml" (millilitres), corresponding to the value set during the programming phase
- ppm function, the dosing pump makes the necessary calculations and doses the exact amount of ppm (parts per million) set during the programming phase
- mA function, the pump doses in a proportionally to the current signal (usually 4..20mA) sent from a flow meter or another connected device
- UNDERLOD – Suction alarm • OVERLOAD – Discharge alarm • Flow sensor alarm – the activation of this alarm indicates an injection failure. A Flow Sensor, located on the discharge side of the pump head, has not detected a predetermined number of injections despite the activation of the electromagnet
- Alarm for too many pulses from the supply pulse emitting meter – this is activated when the set parameters, in the functions "1 x n(M)" and "ppm", have been exceeded from the supply pulse emitting meter. The user must restore the correct setting of the dosing pump
- Level switch control • Relay output for signalling the alarm status.

Item-Nr:	Description:
ONE-MF	ETATRON dosing pumps - ONE-MF Series - Discount based on the original ETATRON price list

## ONE-Plus

## Dosing pumps One-Plus multifunction microprocessor proportional/instrumental pH,Rx,Cl,ppm monitoring



MAXI-MF PLUS		
Versione Version	Portata Flow rate l/h (US Gal/h)	Pressione Pressure bar (psi)
0310	3 (0.78)	10 (145)
0520	5 (1.32)	20 (290)
0507	5 (1.32)	7 (101)
0810	8 (2.12)	10 (145)
1010	10 (2.64)	10 (145)
1504	15 (3.96)	4 (58)
2005	20 (5.26)	5 (72)
3005	30 (7.92)	5 (72)

BASIC		
Versione Version	Portata Flow rate l/h (US Gal/h)	Pressione Pressure bar (psi)
0210	2 (0.53)	10 (145)
0507	5 (1.32)	7 (101)

The eOne Plus microprocessor dosing pump is suitable for proportional and control applications: pH, Rx, Cl, ppm monitoring. The pump operates at high dosing frequency (300 impulses/min) and is equipped with backlit graphic display for correct setting of various programming parameters. The functions performed by the pump are: Proportional mode Functions (MF). The pump performs exactly the same functions that as in the eOne MF description. Controller mode Functions. The dosing pump activates the measuring input pH, ORP, Cl, range • Sensor calibration: 0.00 ÷ 14.00 "pH", -1000 ÷ +1400 mV "Redox", 0÷2, 0÷20, 0÷200 ppm (Cl), 0÷2, 0÷20, 0÷200 ppm (Ion-selective sensor of for a specific chemicals) • Temperature control definition: automatic (connection to PT100 sensor) or manual (default 25°C) • Setting for the value of set point

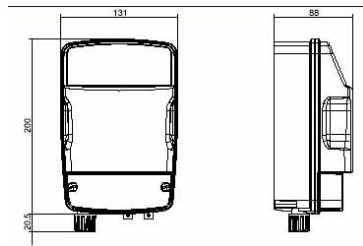
• Type of intervention (direct or inverse) • Hysteresis setting • ON/OFF or proportional activation mode • Delay time of the pump activation • MAX alarm, for maximum measure • MIN alarm, for minimum measure • Over alarm, indicates an overdose situation. This is activated when the defined set point value is not reached in a predetermined time • Level switch control • Relay output for signalled alarm status.

### Item-Nr: Description:

ONE-Plus ETATRON dosing pumps - ONE-Plus Series - Discount based on the original ETATRON price list

## E-Control

## E-Control Measuring and regulating controller



The eControl series of controllers have been designed and developed to be used in wellness centres, domestic and public swimming pools. The controllers use galvanic isolated micro-processors protecting the measured readings from the application environment.

The principal functions performed by the eControl are:

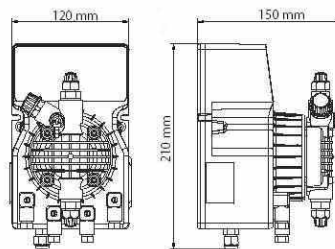
- Sensor calibration: 0.00 ÷ 14.00 "pH", -1000 ÷ +1400 mV "Redox", 0÷2, 0÷20, 0÷200 ppm (Cl), 0÷2, 0÷20, 0÷200 ppm (Ion-selective sensor of for a specific chemicals).
  - Temperature control definition: automatic (connection to PT100 sensor) or manual (default 25°C)
  - 2 set points for each measure input.
  - Type of intervention (direct or inverse).
  - Hysteresis
  - ON/OFF or proportional activation mode
  - Delay time of the pump activation
  - MAX alarm, for maximum measure. (optional)
  - MIN alarm, for minimum measure. (optional)
  - Over alarm, indicates an overdose situation. This is activated when the defined set point value is not reached in a predetermined time
  - Relay output for signalled alarm status. (optional)
- Optional - eControl with double measurement ranges that are independently configurable.

Item-Nr:	Description:
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E-Control	Measuring controller - Discount based on the original ETATRON price list
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## DLX-MA/AD

## Dosing pumps DLX-MA/AD - Wall mounted - dimensions: 190 x 120 x 150 mm



Analogic dosing pump, manual flow rate adjustment from 10÷100% with double regulating scale \*Level control setting+ Extra price € 14,00

Wall mounted dosing pumps (DLX) or foot mounted (DLXB). - Plastic casing.- IP 65 protection. - Std valves: Viton®- Level control setting (supplied without probe):only -- /M series (--/AD series upon request) (\*) pumps supplied with manual air bleed pump head.

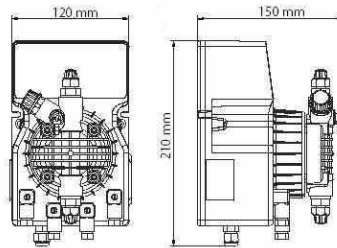
Item-Nr:	Description:
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DLX-MA/AD	Dosing pump DLX-MA/AD - Discount based on the original ETATRON price list
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## DLX-MA/MB

**Dosing pumps DLX-MA/MB-Wall mounted - dimensions: 190 x 120 x 150 mm**



Microcontroller dosing pump, manual flow rate adjustment from 0÷100%, 3 digit display. Level control setting (supplied without probe).

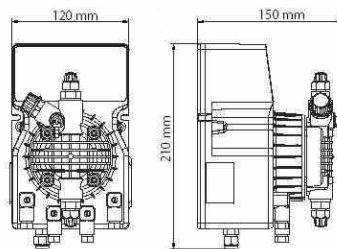
Wall mounted dosing pumps (DLX) or foot mounted (DLXB). - Plastic casing. - IP 65 protection. - Std valves: Viton®- Level control setting (supplied without probe):only -- /M series (--/AD series upon request) (\*) pumps supplied with manual air bleed pump head.

Item-Nr:	Description:
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DLX-MA/MB	Dosing pump DLX-MA/MB - Discount based on the original ETATRON price list
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## DLX-VFT/MBB

**Dosing pumps DLX-VFT/MBB-Wall mounted - dimensions: 190 x 120 x 150 mm**



Microprocessor based model having proportional/manual modes: Manual mode; Pulse multiplier (1x<sub>n</sub>); Pulse multiplier with memory (1x<sub>n</sub>-M); Pulse divider (1:1<sub>n</sub>).

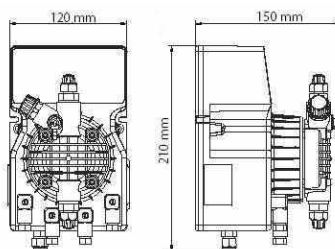
Wall mounted dosing pumps (DLX) or foot mounted (DLXB). - Plastic casing. - IP 65 protection. - Std valves: Viton®- Level control setting (supplied without probe):only -- /M series (--/AD series upon request) (\*) pumps supplied with manual air bleed pump head.

Item-Nr:	Description:
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DLX-VFT/MBB	Dosing pump DLX-VFT/MBB - Discount based on the original ETATRON price list
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## DLX-MF/M

**Dosing pumps DLX-MA/M-Wall mounted - dimensions: 190 x 120 x 150 mm**



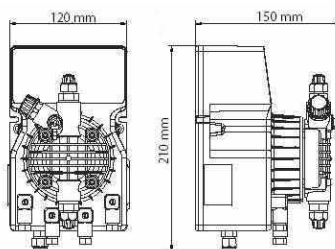
Multifunctions metering pump. Operating functions: Manual; 1xN; 1xN (M); 1:N; ppm and mA. Additional features: flow alarm; level switch input (without probe); relay output; buzzer; clock; timer; language italian/english.MF/M at 120V is CSA certified

Wall mounted dosing pumps (DLX) or foot mounted (DLXB). - Plastic casing.- IP 65 protection. - Std valves: Viton®- Level control setting (supplied without probe):only -- /M series (--/AD series upon request) (\*) pumps supplied with manual air bleed pump head.

Item-Nr:	Description:
DLX-MF/M	Dosing pump DLX-MF/M - Discount based on the original ETATRON price list

## DLX-pH-RX-CL/M

**Dosing pumps DLX-pH-Rx-CL/M Wall mounted - dimensions: 190 x 120 x 150 mm**



Microcontroller dosing pump, LCD display, builtin pH instrument, ON/OFF - proportional operation mode, temperature compensation, 0÷14 pH measuring range, 4÷20 mA output.

Wall mounted dosing pumps (DLX) or foot mounted (DLXB). - Plastic casing.- IP 65 protection. - Std valves: Viton®- Level control setting (supplied without probe):only -- /M series (--/AD series upon request) (\*) pumps supplied with manual air bleed pump head.

Item-Nr:	Description:
DLX-pH-RX-CL/M	Dosing pump DLX pH-Rx-CL/M - Discount based on the original ETATRON price list

## DP-Accessories

**Accessories for ETATRON dosing pumps**

Item-Nr:	Description:
DP-Accessories	Accessories for ETATRON dosing pumps - Discount based on the original ETATRON price list



## Phmetro E.CO.ph

Phmeter E.CO.ph Wall mounting controllers  
(OVERALL DIMENSIONS 206,5x159x113 mm)



Controller designed to measure, control and regulate the pH value • Measuring range 0÷14 pH • Temperature compensation • Numeric LCD (3 digits) • Regulation of 2 independent intervention set-points • 2 ON/OFF outputs • Output 4-20 mA • Power consumption 6 Watts • Electrode supplied upon request

- Plastic casing
- IP 65 protection rating
- Weight 1.3 kg

Item-Nr:	Description:
DPPHECO01	Ph.meter.E.CO.pH*

## CLmetro E.CO.CL

CLmeter E.CO.CL Wall mounting controllers  
(OVERALL DIMENSIONS 206,5x159x113 mm)



Controller designed to measure, control and regulate the free residual Chlorine value • Measuring range 0÷10 ppm • Numeric LCD (3 digits) • Regulation of 2 independent intervention set points • 2 ON/OFF outputs • Output 4 - 20 mA • Power consumption 2 Watts • Chlorine Cell supplied upon request

- Plastic casing
- IP 65 protection rating
- Weight 1.3 kg

Item-Nr:	Description:
DPCLECO01	CL.meter.E.CO.CL

## RXmetro E.CO.RX

**Rx.meter E.CO.Rx Wall mounting controllers  
(OVERALL DIMENSIONS 206,5x159x113 mm)**



Controller designed to measure, control and regulate the redox value •  
Measuring range  $\pm 1.400$  mV  
• Numeric LCD (4 digits) • Regulation of 2 independent intervention set-  
points • 2 ON/OFF outputs  
• Output 4-20 mA • Power consumption 6 Watts • Electrode supplied upon  
request

- Plastic casing
- IP 65 protection rating
- Weight 1.3 kg

Item-Nr:	Description:
DPRXECO01	Rx.meter.E.CO.Rx*

## 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 1 bottle indicator-titrant °D
KA005001HF	hardness 2 bottles indicator-titrant °F
KA005006HD	hardness 1 bottle indicator-titrant °D
KA005006HF	hardness 2 bottles 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
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
KA3239	chlorine DPD A

## AN-KIT RIC T 25

## SPARE BOTTLES TITRANTS (6 25 ml bottle packages)



Item-Nr:	Description:
KA003101	alcalinity 1 °f
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
KA3103	alcalinity 1 epm

## 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

## AN-KIT MULTI

MULTIKITS in hard plastic blue box



Item-Nr:	Description:
KA002001	water analysis
KA002002	boiler water (basic)
KA002004	boiler water (simplified)
KA002004,1	boiler water (simplified - modif.1)
KA002006	swimming pools

## AN-KIT TUBE

TEST TUBES

Item-Nr:	Description:
KA003310	10-tubes pack 20 ml





## PULSE EMITTING WATER METERS

### CNT-LFI

### Pulse emitting threaded water meters



Item-Nr:	Description:
DSCNTF013RS025	Pulse emitting water meter Reed type 1/2" DN15 - K: 0,25
DSCNTF020RS025	Pulse emitting water meter Reed type 3/4" DN20 - K: 0,25
DSCNTF025RS025	Pulse emitting water meter Reed type conn.1" DN25 - K: 0,25
DSCNTF025RS100	Pulse emitting water meter Reed type conn.1" DN25 - K: 1
DSCNTF025RSX10	Pulse emitting water meter Reed type conn.1" DN25 - K: 10
DSCNTF032RS100	Pulse emitting water meter Reed type conn.1 1/4" DN32 - K: 1
DSCNTF040RS100	Pulse emitting water meter Reed type conn.1 1/2" DN40 - K: 1
DSCNTF050RS100	Pulse emitting water meter Reed type conn. 2" DN50 - K: 1
DSCNTL050RSX10	Pulse emitting water meter Reed type flanged conn, 2" DN50 - K: 10

### CNT-LFL

### Pulse emitting flanged water meters



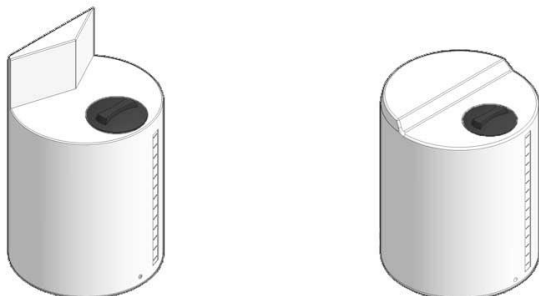
Prices on request

Item-Nr:	Description:
DSCNTL050RWXX1	Pulse-emitting flanged water meter 2" DN50 K:100 - Woltmann
DSCNTL065RW	Pulse emitting flanged water meter 2½" DN65 - Woltmann
DSCNTL080RW	Pulse emitting flanged water meter 3" DN80 - Woltmann
DSCNTL100RW	Pulse emitting flanged water meter 4" DN100 - Woltmann

## TANKS FOR DOSING SYSTEMS

### SERB PE M

### PE tanks "M Series"



**Description:**

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
SRBM0060PE01L	PE tank "M" Series capacity 60 L
SRBM0120PE01L	PE tank "M" Series capacity 120 L
SRBM0220PE01L	PE tank "M" Series capacity 220 L
SRBM0325PE01L	PE tank "M" Series capacity 325 L
SRBM0550PE01L	PE tank "M" Series capacity 550 L
SRBM1070PE01L	PE tank "M" Series capacity 1070 L

## SUPPORTO-TANK SUPPORT

### PP tank support for mixer and/or dosing pump



PP tank support for mixer and/or dosing pump. Available thickness : 10 mm (for tanks max 500 l) and 20 mm (for tanks up to 1000 l) Prices on request

Item-Nr:	Description:
AGTSUP100060	Agitator support thickness 10 mm for 60 l tank - 334x114x180 mm
AGTSUP100100	Agitator support thickness 10 mm for 100 l tank - 415x200x208 mm
AGTSUP100200	Agitator support thickness 10 mm for 200 l tank - 415x200x208 mm

AGTSUP100300	Agitator support thikness 10 mm for 300 l tank - 535x220x273 mm
AGTSUP100500	Agitator support thikness 10 mm for 500 l tank - 760x320x386 mm
AGTSUP200200	Agitator support thikness 20 mm for 200 l tank - 415x200x208 mm
AGTSUP200300	Agitator support thikness 20 mm for 300 l tank - 535x220x273 mm
AGTSUP200500	Agitator support thikness 20 mm for 500 l tank - 760x320x386 mm
AGTSUP201000	Agitator support thikness 20 mm for 1000 l tank - 935x415x470 mm

## MIXERS

### Agitatori Serie GV - GV Series Mixers

### GV Series Mixers (swift)



Swift mixers with rigid coupling by motors 4-6-8 poles equipped with a support Radial bearing and seal ring. This mixers are particularly suitable for mixing or dissolution of products with low viscosity in little medium tanks. Maximum rating of Kw 5 white single or double staffing boxes. 3-pH motors, upon request 1-pH motors for power supply lower than 0,37 kW (+5%). Materials SS 304 (standard) - AISI 316 +8%, shaft and impeller sheathed in Rubber Ebanite (upon request) or PVC +25%, shaft and impeller in PP covering a steel core (+30%).

Single phase motor (available up to 0.37kW): +5%

Item-Nr:	Description:
AGT2241000	Mixer GV power 0,18 kW-4 poles 3pH 60 cm impeller flow cone type AISI 304
AGT2261000	Mixer GV power 0,18 kW-6 poles 3pH 60 cm impeller flow cone type AISI 304
AGT2341000	Mixer GV power 0,25 kW-4 poles 3pH 60 cm impeller flow cone type AISI 304
AGT2361000	Mixer GV power 0,25 kW-6 poles 3pH 60 cm impeller flow cone type AISI 304
AGT2441100	Mixer GV power 0,37 kW-4 poles 3pH 80 cm impeller flow cone type AISI 304
AGT2461100	Mixer GV power 0,37 kW-6 poles 3pH 80 cm impeller flow cone type AISI 304
AGT2541200	Mixer GV power 0,55 kW-4 poles 3pH 90 cm impeller flow cone type AISI 304
AGT2561200	Mixer GV power 0,55 kW-6 poles 3pH 90 cm impeller flow cone type AISI 304
AGT2641400	Mixer GV power 0,75 kW-4 poles 3pH 100 cm impeller flow cone type AISI 304
AGT2661400	Mixer GV power 0,75 kW-6 poles 3pH 100 cm impeller flow cone type AISI 304
AGT2741600	Mixer GV power 1,1 kW-4 poles 3pH 125 cm impeller flow cone type AISI 304
AGT2761600	Mixer GV power 1,1 kW-6 poles 3pH 125 cm impeller flow cone type AISI 304
AGT2841700	Mixer GV power 1,15kW-4 poles 3pH 150 cm impeller flow cone type AISI 304
AGT2861700	Mixer GV power 1,15kW-6 poles 3pH 150 cm impeller flow cone type AISI 304

## Agitatori Serie V - V Series V Series Mixers (slow) Mixers



Slow mixers are used in water treatment plants. The shaft of the mixer is directly key coupled with the hollow of the Worm gear box, supplied with shaft and impeller 4 blades 45°. 3-pH motors, upon request 1-pH motors for power supply lower then 0,37 kW (+5%). Materials SS 304 (standard) - AISI 316 +8%, shaft and impeller sheathed in Rubber Ebanite (upon request) or PVC +25%, shaft and impeller in PP covering a steel core (+30%).

Single phase motor (available up to 0.37kW): +5%

Item-Nr:	Description:
AGT3241322	Mixer V 0,18 kW 4 poles 3 ph 70 cm- 140 rpm impeller 4 blades 45°
AGT3341122	Mixer V 0,25 kW 4 poles 3 ph 80 cm- 90 rpm impeller 4 blades 45°
AGT3441422	Mixer V 0,37 kW 4 poles 3 ph 100 cm- 90 rpm impeller 4 blades 45°
AGT3541422	Mixer V 0,55 kW 4 poles 3 ph 100 cm- 90 rpm impeller 4 blades 45°
AGT3641522	Mixer V 0,75 kW 4 poles 3 ph 120 cm- 90 rpm impeller 4 blades 45°
AGT3741722	Mixer V 1,1 kW 4 poles 3 ph 150 cm- 90 rpm impeller 4 blades 45°
AGT3841722	Mixer V 1,5 kW 4 poles 3 ph 150 cm- 70 rpm impeller 4 blades 45°

## Agitatori Serie F - F Series F Series Mixers (max 200 l) Mixers



Motor driven high speed mixers for small tanks (200 lt) capacity, with shaft bearings sealed by a "V" ring to protect from external vapours. Motor 4 pole, 1400 rpm. Mixer support flange made of PP mounted directly on the tank. Shaft and impeller in stainless steel 316 or PP covering a steel core. Impeller flow cone type.

Item-Nr:	Description:
AGT1241001	Mixer F 0,18 kW - SS316 AF 1-6-4 4 4 poles 3pH 230 V-60 cm- impeller flow cone
AGT1241003	Mixer F 0,18 kW - PP AF 1-6-4 4 4 poles 3pH 230/400 V-60 cm- impeller flow cone-AISI 304
AGT1241101	Mixer F 0,18 kW - SS316 AF 2-8-4 4 4 poles 3pH 230 V-80 cm- impeller flow cone

AGT1241103	Mixer F 0,18 kW - PP AF 2-8-4 4 4 poles 3pH 230/400 V-80 cm- impeller flow cone
AGT1242001	Mixer F 0,18 kW - SS316 AF 1-6-4 4 4 poles 1pH 230 V-60 cm- impeller flow cone
AGT1242003	Mixer F 0,18 kW - PP AF 1-6-4 4 4 poles 1pH 230 V-60 cm- impeller flow cone
AGT1242101	Mixer F 0,18 kW - SS316 AF 2-8-4 4 4 poles 1pH 230 V-80 cm- impeller flow cone
AGT1242103	Mixer F 0,18 kW - PP AF 2-8-4 4 4 poles 1 pH 230/400 V-80 cm- impeller flow cone
AGTM000002	Manual mixer PVC 600 mm
AGTM000102	Manual mixer PVC 800 mm



## CHEMICALS FOR WATER TREATMENT

ANTI-LEGIONELLA CHEMICALS - CHEMICALS FOR REVERSE OSMOSIS MEMBRANE TREATMENT -  
CHEMICALS FOR WATER NETWORK - CHEMICALS FOR DRINKING AND SANITARY WATER

## ANTI-LEGIONELLA CHEMICALS

### SAN100LP

### Anti-legionella treatment



#### SAN100LP

Multifunctional treatment: sanitizing-anti-encrusting-anticorrosive  
Treatment against organic proliferation and protection of sanitary water circuits, particularly indicated against Legionella Pneumophila

#### ADVANTAGES

SAN100 is a special two-component treatment, composed of Saniter LP based on stabilized hydrogen peroxide, formulated in compliance with EU Regulation 528/2012 BPR (Biocidal Products Regulation), and from Saniter 100 based on condensed inorganic food grade phosphates formulated in compliance with the decrees law N ° 31/2001 and 27/2002 which establish the quality requirements of water intended for human consumption and the DM n ° 25 of 7/02/2012 containing technical provisions concerning domestic drinking water equipment. It is used as a sanitizer in sanitary water distribution systems to inhibit bacterial growth and the formation of organic slime and at the same time protect the distribution networks from fouling and corrosive phenomena.

lo Wide spectrum of activity against bacteria, fungi, algae and reducing sulphate.

□ Relative for the elimination of all bacterial strains responsible for legionellosis.

□ Minimize the environmental impact thanks to its rapid decomposition and the safety of its final products (absence of halogen-derivatives).

Attivo Active principle of the Saniter LP approved by the guidelines for the prevention and control of Legionnaire's disease and foreseen in the PT4 (Disinfection of the production lines, transport, storage and consumption of drinking water) and PT5 (Disinfection for drinking water) of the Reg. EU 528/2012 BPR

Ita Avoid or significantly reduce the damage caused by aggressive and corrosive water by forming an iron-phosphate-calcium protective film

"Prevents the precipitation of calcium and magnesium carbonates

Attivi Food grade active ingredients

□ Requires a single dosing station

#### USE

Method: Pour the Saniter 100 component (5 Kg) inside the Saniter LP packaging (20 Kg), close the cap and shake slightly. Use the mixture directly from the packaging or transfer to the dosing tank without performing any type of dilution. Use by means of a metering pump.

Dosage: we recommend a dosage of "prevention" of 30-70 grams per cubic meter of water entering the circuit. Depending on the conformation of the plant it is possible to carry out further dosages in line in sensitive points.

The SAN100, used individually, does not present any bactericidal activity. Use it exclusively with SAN-LP in the SAN100 treatment program.

#### FEATURES

##### SAN100

Formulation: Food polyphosphates.

Appearance: colorless liquid

pH: 5.3 +/- 1.0

Density at 20 ° C: 1.21 □ 0.05 g / ml

Solubility in water: complete SAN-LP

Formulation: hydrogen peroxide in stabilized aqueous solution.

Appearance: colorless liquid

pH: <5

Density at 20 ° C: 1.10 □ 0.10 g / ml

Item-Nr:	Description:
PCSAN100F005	Chemical compound for anti-legionella treatment - SAN100 Food polyphosphates.
PCSANLP0F020	Chemical compound for anti-legionella treatment SAN-LP hydrogen peroxide in stabilized aqueous solution.



## CHEMICALS FOR REVERSE OSMOSIS MEMBRANE TREATMENT

### OSMOCLEAN

#### Osmoclean - Membrane rinse and biofilm removal



Osmoclean 310 Membranes washing-Scaling deposits removal .It is particularly suitable to remove scaling deposits due to calcium carbonates and iron oxides from reverse osmosis equipments.Quick removal of a wide range of precipitates and deposits.It does not contain corrosion inhibitors that may pollute membranes.Extreme pureness of the products.It does not contain chlorides, sulphates, nitrates and phosphates.

Osmoclean 320 Membranes washing-Organic substances and biofilm removalIt is particularly recommended to remove organic substances and biofilms from membranes of reverse osmosis equipment.Very strong detergent and degreasing power.Strong emulsion of oils and greases, stability of the suspension formed.Superficial tension reduction in strong alkaline environment.Slightly foamy.The product is liquid, thus easier to use.

Osmoclean 380 Membranes preservative-Reverse osmosis equipment protection during the stops.It is a special liquid formulate, slightly acid, studied for the preservation of reverse osmosis equipment membranes, which can be out of work for long periods.It avoids the growth of micro-organisms, algae and larvae of marine organisms.It removes the calcium carbonate and the iron oxides. It is compatible with the membranes of reverse osmosis equipment.It protects the metals against corrosion.

Item-Nr:	Description:
PCROCL310	Osmoclean 310- Reverse Osmosis Membranes washing -Scaling deposits removal
PCROCL320	Osmoclean 320- Membranes washing -Organic substances and biofilm removal
PCROCL380	Osmoclean 380 - Membranes preservative -RO equipment protection during the stops

### OSMOTROL- ANTISCALANTE

#### Osmotrol - Antiscalant for RO membranes



Osmotrol is the line of chemical products intended to prevent encrustations and iron deposits in reverse osmosis and microfiltration systems fed with raw water.The models vary based on the chemical/physical conditions of the systems' supply water and the final application of the treated water (industrial use / food use).N.B. The data provided relating to the hardness referring to the raw water to be treated are to be considered purely indicative as the tendency of calcium carbonate to precipitate - Langelier index (IL) - varies based on the temperature of the inlet water.

Extremely effective on different types of water• They minimize fouling and reduce the frequency of membrane cleaning operations• They totally or partially replace acidification

Item-Nr:	Description:
PCROAS700	Osmotrol 700-Antiscalant for RO membranes for industrial systems (not suitable for drinking water)

PCROAS710	Osmotrol 710 - Antiscalant for RO membranes for hardness up to 20°F for drinking water
PCROAS730	Osmotrol 730 - Antiscalant for RO membranes for hardness 15-18°FH for drinking water
PCROAS750	Osmotrol 750 - Antiscalant for RO membranes for hardness over 28°F for drinking water

## CHEMICALS FOR WATER NETWORK

### PROTSOL- Antincrostante/Disperdente

#### Protsol-Antiscalant/Dispersant for water network



Protsol 8300 Antiscalant-Opened and semi-opened cooling circuits protection- Protsol 8300 is a product mainly studied for the treatment of scales concerning circuits.

- Its very strong stabilizing effect allows delaying the crystallization threshold of hardness salts.
- Very strong dispersing action, it is effective even if the dosage is low.
- Corrosive phenomena inhibition.
- Circuits' properties and heat exchange ability remain the same.
- Perfect heat stability; no hydrolysis.
- Every component of Protsol 8300 is stable to chlorine.

Protsol 8500 Antiscalant-dispersant Industrial cooling systems protection Protsol 8500 is a product made to treat those circuits in which scales and deposits represent the main problem.

- It has an excellent stabilizing effect that allows to reduce the crystallization point of hardness salts and to disperse other components.
- The product has a very strong dispersing effect towards any substance that may create deposits
- It inhibits corrosion phenomena
- It keeps unchanged circuits' properties and heat exchange capacity
- It is stable even under very high temperatures, under pressure and for long cycle periods
- All its components are stable to chlorine.

Item-Nr:	Description:
PCROPR8300	Protsol C8300 - Antiscalant -Opened and semi-opened cooling circuits protection
PCROPR8500	Protsol C8500 - Antiscalant-dispersant -Industrial cooling systems protection

## CHEMICALS FOR DRINKING AND SANITARY WATER

### POLYPHOS- Antincrostante/Anticorrosiv o

Protsol-Antiscalant/Anti-corrosion for drinking and sanitary waters



Item-Nr:	Description:
PCPFLQCL050	Polyphos CL - Antiscalant liquid polyphosphate for water from >10°F
PCPFLQCLS100	Polyphos CLS - Anti-corrosion/antiscalant liquid polyphosphate for sanitary water from 0 to 10°F
PCPFLQLS050	Polyphos CLC 30/50 g/m3 - Antiscalant liquid polyphosphate for water above 20°F



## WATER SOFTENERS AND FILTER SYSTEMS, SOFTENER KITS, MAGNETIC ANTI-SCALE DEVICES

CABINET SOFTENERS WITH E22 VALVE - CABINET SOFTENERS WITH CLACK VALVE - CABINET SOFTENERS WITH KS VALVE - EXTRA PRICE FOR OTHER CABINETS - SIMPLEX WATER SOFTENERS VALVE E22 - DUPLEX ALTERNATED WATER SOFTENERS VALVE CLACK WS1CI TWIN - ACTIVATED CARBON FILTERS - QUARTZ SAND FILTERS - IRON REMOVAL SYSTEMS - MAGNETIC SCALE PREVENTER - MANUAL SOFTENERS - SIMPLEX WATER SOFTENERS VALVE CLACK

## CABINET SOFTENERS WITH EZ2 VALVE

### ADC-Micro NT Compact Soft

MINI cabinet water softeners NT Series- with valves EZ1/EZ2/ClackWS1CI/WS1TC



Item-Nr:	Description:
ADC005AEZ1VNS	Monoblock Water Softener 5 l valve EZ1 1" 1" meter cont. Cabinet "NT" Micro
ADC005AEZ2VNS	Monoblock Water Softener 5 l valve EZ2 1" 1" meter cont. Cabinet "NT" Micro
ADC005AGZ2VNS	Monoblock Water Softener 5 l valve GZ2 1" 1" meter cont. Cabinet "NT" Micro
ADC005CT1NS	Monoblock Water Softener 5 l Clack WS1TC 1" time controlled Cabinet "NT" Micro
ADC005CV1NS	Monoblock Water Softener 5 l Clack WS1CI 1" meter cont. Cabinet "NT" Micro

### ADC-Micro HP Compact Soft

Micro HP cabinet water softeners with valve EZ1/EZ2/ClackWS1TC/WS1CI



Item-Nr:	Description:
ADC005EZ1VHP1	Monoblock Water Softener 5 l valve EZ1 1" meter cont. Cabinet "HP" Mini - capacity 1,5 m3
ADC005EZ2VHP1	Monoblock Water Softener 5 l valve EZ2 1" meter cont. Cabinet "HP" Mini - capacity 1,5 m3

## ADC-EZ2 Downflow Compact Soft Cabinet "ELAN"

## Residential monoblock water softeners - Control valve EZ2 electronic metered Cabinet ELAN



Item-Nr:	Description:
ADC008EZ2EL	Monoblock Water .Softener 8-10 l valve EZ2 1" meter cont. Cabinet "ELAN" Mini
ADC010EZ2EL	Monoblock Water .Softener 10-12 l valve EZ2 1" meter cont. Cabinet "ELAN" Mini
ADC012EZ2EL	Monoblock Water .Softener 12-15 l valve EZ2 1" meter cont. Cabinet "ELAN" Mini
ADC020EZ2EL	Monoblock Water .Softener 18-20 l valve EZ2 1" meter cont. Cabinet "ELAN" Maxi
ADC025EZ2EL	Monoblock Water .Softener 22-25 l valve EZ2 1" meter cont. Cabinet "ELAN" Maxi
ADC030EZ2EL	Monoblock Water .Softener 28-30 l valve EZ2 1" meter cont. Cabinet "ELAN" Maxi

## ADC-TZ2 Upflow Compact Soft Cabinet "ELAN"

## Residential monoblock water softeners - Control valve TZ2 electronic metered Cabinet ELAN



Item-Nr:	Description:
ADC008TZ2EL	Monoblock Water .Softener 8-10 l valve TZ2 1" meter cont. Cabinet "ELAN" Mini
ADC010TZ2EL	Monoblock Water .Softener 10-12 l valve TZ2 1" meter cont. Cabinet "ELAN" Mini
ADC012TZ2EL	Monoblock Water .Softener 12-15 l valve TZ2 1" meter cont. Cabinet "ELAN" Mini
ADC020TZ2EL	Monoblock Water .Softener 18-20 l valve TZ2 1" meter cont. Cabinet "ELAN" Maxi
ADC025TZ2EL	Monoblock Water .Softener 22-25 l valve TZ2 1" meter cont. Cabinet "ELAN" Maxi
ADC030TZ2EL	Monoblock Water .Softener 28-30 l valve TZ2 1" meter cont. Cabinet "ELAN" Maxi

## ADC-EZ2 Downflow Compact Soft Cabinet "EU"

Residential monoblock water softeners - Control valve  
EZ2 electronic metered Cabinet EU



Item-Nr:	Description:
ADC008EZ2EU	Monoblock Water .Softener 8-10 l valve EZ2 1" meter cont. Cabinet "EU" Mini
ADC015EZ2EU	Monoblock Water .Softener 13-15 l valve EZ2 1" meter cont. Cabinet "EU" MAXI
ADC020EZ2EU	Monoblock Water .Softener 18-20 l valve EZ2 1" meter cont. Cabinet "EU" Maxi
ADC025EZ2VEU	Monoblock Water .Softener 22-25 l valve EZ2 1" meter cont. Cabinet "EU" Maxi

## ADC-EZ2 Downflow Compact Soft Cabinet "UNI"

Residential monoblock water softeners - Control valve  
EZ2 electronic metered Cabinet "UNI"



Item-Nr:	Description:
ADC008EZ2UN	Monoblock Water Softener 8-10 l valve EZ2 1" meter cont. Cabinet "UNI" Mini
ADC008EZ2UNP	Monoblock Water Softener 8-10 l valve EZ2 1" meter cont. Cabinet "UNI PLUS" Mini
ADC012EZ2UN	Monoblock Water Softener 12,5 l valve EZ2 1" meter cont. Cabinet "UNI" Mini
ADC012EZ2UNP	Monoblock Water Softener 12,5 l valve EZ2 1" meter cont. Cabinet "UNI PLUS" Mini
ADC015EZ2UN	Monoblock Water Softener 13-15 l valve EZ2 1" meter cont. Cabinet "UNI" Maxi
ADC015EZ2UNP	Monoblock Water Softener 13-15 l valve EZ2 1" meter cont. Cabinet "UNI PLUS" Maxi
ADC020EZ2VUN	Monoblock Water Softener 18-20 l valve EZ2 1" meter cont. Cabinet "UNI" Maxi
ADC020EZ2VUNP	Monoblock Water Softener 18-20 l valve EZ2 1" meter cont. Cabinet "UNI PLUS" Maxi
ADC025EZ2UN	Monoblock Water Softener 22-25 l valve EZ2 1" meter cont. Cabinet "UNI" Maxi
ADC025EZ2UNP	Monoblock Water Softener 22-25 l valve EZ2 1" meter cont. Cabinet "UNI PLUS" Maxi
ADC030EZ2VUN	Monoblock Water Softener 28-30 l valve EZ2 1" meter cont. Cabinet "UNI" Maxi
ADC030EZ2VUNP	Monoblock Water Softener 28-30 l valve EZ2 1" meter cont. Cabinet "UNI PLUS" Maxi



## ADC-TZ2 Upflow Compact Soft Cabinet "UNI"

Residential monoblock water softeners-Control valve TZ2 upflow electr metered cab UNI



Item-Nr:	Description:
ADC008TZ2VUN	Monoblock Water .Softener 8-10 l valve TZ2 1" meter cont. Cabinet "UNI" Mini
ADC008TZ2VUNP	Monoblock Water .Softener 8-10 l valve TZ2 1" meter cont. Cabinet "UNI PLUS" Mini
ADC012TZ2UN	Monoblock Water .Softener 12,5 l valve TZ2 upflow 1" meter cont. Cabinet "UNI" Mini
ADC012TZ2UNP	Monoblock Water .Softener 12,5 l valve TZ2 upflow 1" meter cont. Cabinet "UNI PLUS" Mini
ADC015TZ2VUN	Monoblock Water .Softener 13-15 l TZ2 upflow 1" meter cont. Cabinet "UNI" Maxi
ADC015TZ2VUNP	Monoblock Water .Softener 13-15 l TZ2 upflow 1" meter cont. Cabinet "UNI PLUS" Maxi
ADC020TZ2VUN	Monoblock Water .Softener 18-20 l valve TZ2 upflow 1" meter cont. Cabinet "UNI" Maxi
ADC020TZ2VUNP	Monoblock Water .Softener 18-20 l valve TZ2 upflow 1" meter cont. Cabinet "UNI PLUS" Maxi
ADC025TZ2VUN	Monoblock Water .Softener 22-25 l valve TZ2 upflow 1" meter cont. Cabinet "UNI" Maxi
ADC025TZ2VUNP	Monoblock Water .Softener 22-25 l valve TZ2 upflow 1" meter cont. Cabinet "UNI PLUS" Maxi
ADC030TZ2VUN	Monoblock Water .Softener 28-30 l valve TZ2 upflow 1" meter cont. Cabinet "UNI" Maxi
ADC030TZ2VUNP	Monoblock Water .Softener 28-30 l valve TZ2 upflow 1" meter cont. Cabinet "UNI PLUS" Maxi

## ADC-EZ2 Downflow Compact Soft Cabinet "DL"

Residential monoblock water softeners - Control valve EZ2 electronic metered Cabinet DIA-LUX



Item-Nr:	Description:
ADC008EZ2DL	Monoblock Water .Softener 8-10 l valve EZ2 1" meter cont. Cabinet "DIA-LUX" Mini
ADC012EZ2DL	Monoblock Water .Softener 12,5 l valve EZ2 1" meter cont. Cabinet "DIA-LUX" Mini
ADC015EZ2DL	Monoblock Water .Softener 13-15 l valve EZ2 1" meter cont. Cabinet "DIA-LUX" Maxi
ADC020EZ2DL	Monoblock Water .Softener 18-20 l valve EZ2 1" meter cont. Cabinet "DIA-LUX" Maxi
ADC025EZ2DL	Monoblock Water .Softener 22-25 l valve EZ2 1" meter cont. Cabinet "DIA-LUX" Maxi
ADC030EZ2DL	Monoblock Water .Softener 28-30 l valve EZ2 1" meter cont. Cabinet "DIA-LUX" Maxi

## CABINET SOFTENERS WITH CLACK VALVE

### ADC-Clack WS1CI Compact Soft Cabinet "Elan"

Residential monoblock water softeners - Control valve  
Clack WS1CI electronic metered Cabinet "ELAN"



Item-Nr:	Description:
ADC008CV1EL	Monoblock Water .Softener 8-10 l Clack WS1CI 1" meter cont. Cabinet "ELAN" Mini
ADC010CV1EL	Monoblock Water .Softener 10-12 l Clack WS1CI 1" meter cont. Cabinet "ELAN" Mini
ADC012CV1EL	Monoblock Water .Softener 12,5 l Clack WS1CI 1" meter cont. Cabinet "ELAN" Mini
ADC020CV1EL	Monoblock Water .Softener 18-20 l Clack WS1CI 1" meter cont. Cabinet "ELAN" Maxi
ADC025CV1EL	Monoblock Water .Softener 22-25 l Clack WS1CI 1" meter cont. Cabinet "ELAN" Maxi
ADC030CV1EL	Monoblock Water .Softener 28-30 l Clack WS1CI 1" meter cont. Cabinet "ELAN" Maxi

### ADC-Clack WS1TC Compact Soft Cabinet "EU"

Residential monoblock water softeners - Control valve  
Clack WS1TC electronic time controlled Cabinet EU



Item-Nr:	Description:
ADC008CT1EU	Monoblock Water Softener 8-10 l Clack WS1TC 1" time cont. Cabinet "EU" Mini
ADC015CT1EU	Monoblock Water Softener 13-15 l Clack WS1TC 1" time cont. Cabinet "EU" Maxi
ADC020CT1EU	Monoblock Water Softener 18-20 l Clack WS1TC 1" time cont. Cabinet "EU" Maxi
ADC025CT1EU	Monoblock Water Softener 22-25 l Clack WS1TC 1" time cont. Cabinet "EU" Maxi

## ADC-Clack WS1TC Compact Soft Cabinet "UNI"

Residential monoblock water softeners - Control valve  
Clack WS1TC electronic time controlled Cabinet UNI



Item-Nr:	Description:
ADC008CT1UN	Monoblock Water Softener 8-10 l Clack WS1TC 1" time cont. Cabinet "UNI" Mini
ADC008CT1UNP	Monoblock Water Softener 8-10 l Clack WS1TC 1" time cont. Cabinet "UNI PLUS" Mini
ADC012CT1UN	Monoblock Water Softener 12,5 l Clack WS1TC 1" time cont. Cabinet "UNI" Mini
ADC012CT1UNP	Monoblock Water Softener 12,5 l Clack WS1TC 1" time cont. Cabinet "UNI PLUS" Mini
ADC015CT1UN	Monoblock Water Softener 13-15 l Clack WS1TC 1" time cont. Cabinet "UNI" Maxi
ADC015CT1UNP	Monoblock Water Softener 13-15 l Clack WS1TC 1" time cont. Cabinet "UNI PLUS" Maxi
ADC020CT1UN	Monoblock Water Softener 18-20 l Clack WS1TC 1" time cont. Cabinet "UNI" Maxi
ADC020CT1UNP	Monoblock Water Softener 18-20 l Clack WS1TC 1" time cont. Cabinet "UNI PLUS" Maxi
ADC025CT1UN	Monoblock Water Softener 22-25 l Clack WS1TC 1" time cont. Cabinet "UNI" Maxi
ADC025CT1UNP	Monoblock Water Softener 22-25 l Clack WS1TC 1" time cont. Cabinet "UNI PLUS" Maxi
ADC030CT1UN	Monoblock Water Softener 28-30 l Clack WS1TC 1" time cont. Cabinet "UNI" Maxi
ADC030CT1UNP	Monoblock Water Softener 28-30 l Clack WS1TC 1" time cont. Cabinet "UNI PLUS" Maxi

## ADC-Clack WS1TC Compact Soft Cabinet "DL"

Residential monoblock water softeners - Control valve  
Clack WS1TC electronic time controlled Cabinet DIA-LUX



Item-Nr:	Description:
ADC008CT1DL	Monoblock Water Softener 8-10 l Clack WS1TC 1" time cont. Cabinet "DIA-LUX" Mini
ADC012CT1DL	Monoblock Water Softener 12,5 l Clack WS1TC 1" time cont. Cabinet "DIA-LUX" Mini
ADC015CT1DL	Monoblock Water Softener 13-15 l Clack WS1TC 1" time cont. Cabinet "DIA-LUX" Maxi
ADC020CT1DL	Monoblock Water Softener 18-20 l Clack WS1TC 1" time cont. Cabinet "DIA-LUX" Maxi
ADC025CT1DL	Monoblock Water Softener 22-25 l Clack WS1TC 1" time cont. Cabinet "DIA-LUX" Maxi
ADC030CT1DL	Monoblock Water Softener 28-30 l Clack WS1TC 1" time cont. Cabinet "DIA-LUX" Maxi

## ADC-Clack WS1CI Compact Soft Cabinet "EU"

Residential monoblock water softeners - Control valve  
Clack WS1CI electronic metered Cabinet EU



Item-Nr:	Description:
ADC008CV1EU	Monoblock Water .Softener 8-10 l Clack WS1CI 1" meter cont. Cabinet "EU" Mini
ADC015CV1EU	Monoblock Water Softener 13-15 l Clack WS1CI 1" meter cont. Cabinet "EU" Maxi
ADC020CV1EU	Monoblock Water Softener 18-20 l Clack WS1CI 1" meter cont. Cabinet "EU" Maxi
ADC025CV1EU	Monoblock Water Softener 22-25 l Clack WS1CI 1" meter cont. Cabinet "EU" Maxi

## ADC-Clack WS1CI Compact Soft Cabinet "UNI"

Residential monoblock water softeners - Control valve  
Clack WS1CI electronic metered Cabinet UNI



Item-Nr:	Description:
ADC008CV1UN	Monoblock Water .Softener 8-10 l Clack WS1CI 1" meter cont. Cabinet "UNI" Mini
ADC008CV1UNP	Monoblock Water .Softener 8-10 l Clack WS1CI 1" meter cont. Cabinet "UNI PLUS" Mini
ADC012CV1UN	Monoblock Water Softener 12,5 l Clack WS1CI 1" meter cont. Cabinet "UNI" Mini
ADC012CV1UNP	Monoblock Water Softener 12,5 l Clack WS1CI 1" meter cont. Cabinet "UNI PLUS" Mini
ADC015CV1UN	Monoblock Water Softener 13-15 l Clack WS1CI 1" meter cont. Cabinet "UNI" Maxi
ADC015CV1UNP	Monoblock Water Softener 13-15 l Clack WS1CI 1" meter cont. Cabinet "UNI PLUS" Maxi
ADC020CV1UN	Monoblock Water Softener 18-20 l Clack WS1CI 1" meter cont. Cabinet "UNI" Maxi
ADC020CV1UNP	Monoblock Water Softener 18-20 l Clack WS1CI 1" meter cont. Cabinet "UNI PLUS" Maxi
ADC025CV1UN	Monoblock Water Softener 22-25 l Clack WS1CI 1" meter cont. Cabinet "UNI" Maxi
ADC025CV1UNP	Monoblock Water Softener 22-25 l Clack WS1CI 1" meter cont. Cabinet "UNI PLUS" Maxi
ADC030CV1UN	Monoblock Water Softener 28-30 l Clack WS1CI 1" meter cont. Cabinet "UNI" Maxi
ADC030CV1UNP	Monoblock Water Softener 28-30 l Clack WS1CI 1" meter cont. Cabinet "UNI PLUS" Maxi

## ADC-Clack WS1CI Compact Soft Cabinet "DL"

Residential monoblock water softeners - Control valve  
Clack WS1CI electronic metered Cabinet DIA-LUX



Item-Nr:	Description:
ADC008CV1DL	Monoblock Water Softener 8-10 l Clack WS1CI 1" meter cont. Cabinet "DIA-LUX" Mini
ADC012CV1DL	Monoblock Water Softener 12,5 l Clack WS1CI 1" meter cont. Cabinet "DIA-LUX" Mini
ADC015CV1DL	Monoblock Water Softener 13-15 l Clack WS1CI 1" meter cont. Cabinet "DIA-LUX" Maxi
ADC020CV1DL	Monoblock Water Softener 18-20 l Clack WS1CI 1" meter cont. Cabinet "DIA-LUX" Maxi
ADC025CV1DL	Monoblock Water Softener 22-25 l Clack WS1CI 1" meter cont. Cabinet "DIA-LUX" Maxi
ADC030CV1DL	Monoblock Water Softener 28-30 l Clack WS1CI 1" meter cont. Cabinet "DIA-LUX" Maxi

## CABINET SOFTENERS WITH KS VALVE

### ADC-K Compact Soft K1 Series Downflow

### Residential K1 Cabinet Softeners - Control valve KS electronic metered Downflow



Series K1 DOWNFLOW - The valve automatically closes the water flow during regeneration

Item-Nr:	Description:
ADC012K1D	Cabinet Softener K1 Series - resin 12,5 l w/valve K1 electronic metered Downflow
ADC025K1D	Cabinet Softener K1 Series - resin 25 l w/valve K1 electronic metered Downflow

### ADC-K Compact Soft K1 Series Downflow/Upflow

### Residential K1 Cab.Softeners-Control valve KS electr. metered- Downflow/Upflow at choice



Series K1 DOWNFLOW or UPFLOW at choice - valve NOT closing the water flow during regeneration

Item-Nr:	Description:
ADC012K1DU	Cabinet Softener K1 Series - resin 12,5 l w/valve K1 electronic metered Downflow/Upflow at choice
ADC025K1DU	Cabinet Softener K1 Series - resin 25 l w/valve K1 electronic metered Downflow/Upflow at choice



## ADC-GW Compact Soft "Gold Wave" Series Downflow

## Residential Cabinet Softeners "Gold Wave" Series - electronic metered downflow



Household automatic water softener  
Display LCD Electronic display water Softener control Valve  
Regeneration mode: Intelligent Time or Flowmeter  
Inlet & Outlet ; 1" (1/2", 3/4" available on request  
Resin Volume: Mod. Maxi 25 L - Mod Mini 12,5 L - Drain 3/8"  
Flow rate : 2000 l/h max  
Working Pressure : 1,5 - 5,5 bar  
Working Temperature : 5 - 50 °C  
Regeneration mode; downflow (other types available on request)

Dimensions of softener Maxi (25 l of resin) : 450 x 328 x 1104 mm  
Packaging dimensions: 490x330x1160mm  
Dimensions of softener Mini (12.5 l of resin) : 450 x 328 x 646 mm  
Packaging dimensions: 490 x 330 x 710 mm

Item-Nr:	Description:
ADC012GW1D	Cabinet Softener "Gold Wave" - resin 12.5 l electronic metered valve Downflow
ADC025GW1D	Cabinet Softener "Gold Wave" - resin 25 l electronic metered valve Downflow

## ADC-BW Compact Soft "Blue Wave" Series Downflow

## Residential Cabinet Softeners "Blue Wave" Series - electronic metered downflow



Household automatic water softener  
Display LCD Electronic display water Softener control Valve  
Regeneration mode: Intelligent Time or Flowmeter  
Inlet & Outlet ; 1" (1/2", 3/4" available on request  
Resin Volume: Mod. Maxi 25 L - Mod Mini 12,5 L - Drain 3/8"  
Flow rate : 2000 l/h max  
Working Pressure : 1,5 - 5,5 bar  
Working Temperature : 5 - 50 °C  
Regeneration mode; downflow (other types available on request)

Dimensions of softener Maxi (25 l of resin) : 450 x 328 x 1109 mm  
Packaging dimensions: 490x330x1160mm  
Dimensions of softener Mini (12.5 l of resin) : 450 x 328 x 651 mm  
Packaging dimensions: 490 x 330 x 910

Item-Nr:	Description:
ADC012BW1D	Cabinet Softener "Blue Wave" - resin 12.5 l electronic metered valve Downflow
ADC025BW1D	Cabinet Softener "Blue Wave" - resin 25 l electronic metered valve Downflow

## ADC K1 AIR

## Residential Cabinet Softeners K1 "Air" Series - electronic metered downflow



Household automatic water softener  
 Display LCD Electronic display water Softener control Valve  
 Regeneration mode: Intelligent Time or Flowmeter  
 Inlet & Outlet ; 1" (1/2", 3/4" available on request  
 Resin Volume: Mod. Maxi 30 Drain 3/8"  
 Flow rate : 2000 l/h max  
 Working Pressure : 1,5 - 5,5 bar  
 Working Temperature : 5 - 50 °C  
 Regeneration mode; downflow (other types available on request)

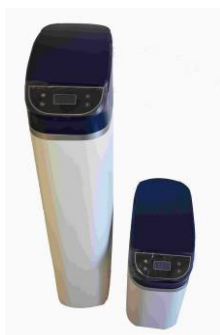
Dimensions of softener Maxi (30 l of resin) : 280 X380 X 1610 mm  
 Packaging dimensions: 346 X 435 X 1660 mm

Item-Nr:	Description:
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ADC030AI1D	Cabinet Softener Serie K1 "Air" resin 30 l electronic metered valve Downflow
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## ADC-RS Compact Soft "Rise" Series Downflow

## Residential Cabinet Softeners "Rise" Series - electronic metered downflow



Household automatic water softener  
 Display LCD Electronic display water Softener control Valve  
 Regeneration mode: Intelligent Time or Flowmeter  
 Inlet & Outlet ; 1" (1/2", 3/4" available on request  
 Resin Volume: Mod. Maxi 20 L - Mod Mini 5 L- Drain 3/8"  
 Flow rate : 2000 l/h max  
 Working Pressure : 1,5 - 5,5 bar  
 Working Temperature : 5 - 50 °C  
 Regeneration mode; downflow (other types available on request)

Dimensions of softener Maxi (20 l of resin) : 230 x 450 x 1050 mm  
 Packaging dimensions: 245 x 465 x 1160 mm  
 Dimensions of softener Mini ( 5 l of resin) : 230 x 450 x 485 mm  
 Packaging dimensions: 245 x 465 x 520 mm

Item-Nr:	Description:
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ADC005RS1D	Cabinet Softener "Rise" - resin 5 l electronic metered valve Downflow
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ADC020RS1D	Cabinet Softener "Rise" - resin 20 l electronic metered valve Downflow
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## ADC-PG "Pegasus" Series Downflow

## Residential softenersystem w/cleaning pre filer Serie K1 "Pegasus"-electr.metered upflow



Household automatic water softener with automatic backwash filter  
Display LCD Electronic display water Softener control Valve  
Regeneration mode: Intelligent Time or Flowmeter  
Inlet & Outlet ; 1" (1/2", 3/4" available on request  
Resin Volume: 25 L Drain 3/8"

Dimensions of softener Maxi (30 l of resin) : 580 X392 X 1102 mm  
Packaging dimensions: 665 X 475 X 1200 mm  
Flow rate : 2000 l/h max  
Working Pressure : 1,5 - 5,5 bar  
Working Temperature : 5 - 50 °C  
Regeneration mode; downflow (other tyoesavailable on request)

Item-Nr:	Description:
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ADC025PG1D	Water softener with automatic backwash prefilter
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## ADC-XD Extra Compact t "X- Duo" 2 in 1

## 2 in 1 "X-Duo" super compact residential softener (Carbon filter/Water softener)



Household automatic water softener  
Display LCD Electronic display water Softener control Valve  
Regeneration mode: Intelligent Time or Flowmeter  
Inlet & Outlet ; 1" (1/2", 3/4" available on request

Dimensions of softener Maxi (20 l of resin) : 455 x 195 x 465 mm  
Packaging dimensions: 510 x 290 x 540 mm Resin Volume: 4 L- Drain  
3/8" Flow rate : 1000 l/h max  
Working Pressure : 1,5 - 5 bar  
Working Temperature : 5 - 50 °C

Item-Nr:	Description:
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ADC004XD1D	Residential water softener super compact 4 l of resin "Xing Duo" 2 in 1 (Carbon filter / Water softener)
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## EXTRA PRICE FOR OTHER CABINETS

### Extra Price EVO

### Extra price for cabinet Mod. EVO



Item-Nr:	Description:
ADCEXEVOL01MI	Extra price for cabinet EVO MINI
ADCEXEVOL02MX	Extra price for cabinet EVO MAXI

## SIMPLEX WATER SOFTENERS VALVE EZ2

### ADD-EZ2 DC Simplex Series

### Simplex Water Softeners valve EZ2 meter controlled brine tank "TS"



Item-Nr:	Description:
ADD008EZ2TS	Water Softener d.c. 8 lt v. EZ2 meter on demand brine tank "TS"
ADD015EZ2TS	Water Softener d.c. 15 lt v. EZ2 meter on demand brine tank "TS"
ADD020EZ2TS	Water Softener d.c. 20 lt v. EZ2 meter on demand brine tank "TS"
ADD025EZ2TS	Water Softener d.c. 25 lt v. EZ2 1" meter on demand brine tank "TS"
ADD030EZ2TS	Water Softener d.c. 30 lt v. EZ2 1" meter on demand brine tank "TS"
ADD040EZ2TS	Water Softener d.c. 40 lt v. EZ2 meter on demand brine tank "TS"
ADD050EZ2TS	Water Softener d.c. 50 lt v. EZ2 meter on demand brine tank "TS"
ADD060EZ2TS	Water Softener d.c. 60 lt v. EZ2 meter on demand brine tank "TS"
ADD075EZ2TS	Water Softener d.c. 75 lt v. EZ2 meter on demand brine tank "TS"

### ADD-TZ2 DC Simplex

### Simplex Water Softeners valve TZ2 meter controlled brine tank "TS"



Item-Nr:	Description:
ADD008TZ2TS	Water Softener d.c. 8 lt v. TZ2 meter on demand brine tank "TS"
ADD015TZ2TS	Water Softener d.c. 15 lt v. TZ2 meter on demand brine tank "TS"
ADD020TZ2TS	Water Softener d.c. 20 lt v. TZ2 meter on demand brine tank "TS"
ADD025TZ2TS	Water Softener d.c. 25 lt v. TZ2 1" meter on demand brine tank "TS"
ADD030TZ2TS	Water Softener d.c. 30 lt v. TZ2 1" meter on demand brine tank "TS"
ADD040TZ2TS	Water Softener d.c. 40 lt v. TZ2 meter on demand brine tank "TS"
ADD050TZ2TS	Water Softener d.c. 50 lt v. TZ2 meter on demand brine tank "TS"
ADD060TZ2TS	Water Softener d.c. 60 lt v. TZ2 meter on demand brine tank "TS"
ADD075TZ2TS	Water Softener d.c. 75 lt v. TZ2 meter on demand brine tank "TS"

## SIMPLEX WATER SOFTENERS VALVE CLACK

### ADD-Clack WS1TC DC Simplex Series

### Simplex Water Softeners Clack valves WS1TC time controlled



Item-Nr:	Description:
ADD008CT1TS	Water softener . 8 l resin control valve Clack WS1TC 1" time brine tank "TS"
ADD015CT1TS	Water Softener d.c. 15 lt v. Clack WS1TC 1" time brine tank "TS"
ADD020CT1TS	Water Softener d.c. 20 lt v. Clack WS1TC 1" time brine tank "TS"
ADD025CT1TS	Water Softener d.c. 25 lt v. Clack WS1TC 1" time brine tank "TS"
ADD030CT1TS	Water Softener d.c. 30 lt v. Clack WS1TC 1" time brine tank "TS"
ADD040CT1TS	Water Softener d.c. 40 lt v. Clack WS1TC 1" time brine tank "TS"
ADD050CT1TS	Water Softener d.c. 50 lt v. Clack WS1TC time brine tank "TS"
ADD060CT1TS	Water Softener d.c. 60 lt v. Clack WS1TC time brine tank "TS"
ADD075CT1TS	Water Softener d.c. 75 lt v. Clack WS1TC time brine tank "TS"
ADD090CT1TS	Water Softener d.c. 90 lt v. Clack WS1TC time brine tank "TS"
ADD100CT1TS	Water Softener d.c. 100 lt v. Clack WS1TC time brine tank "TS"
ADD125CT1TS	Water Softener d.c. 125 lt v. Clack WS1TC time brine tank "TS"

### ADD-Clack WS1CI DC Simplex Series

### Simplex Water Softeners Clack valves WS1CI meter controlled



Item-Nr:	Description:
ADD008CV1TS	Water Softener d.c. 8 lt v. Clack WS1CI meter on demand brine tank "TS"
ADD015CV1TS	Water Softener d.c. 15 lt v. Clack WS1CI meter on demand brine tank "TS"
ADD020CV1TS	Water Softener d.c. 20 lt v. Clack WS1CI meter on demand brine tank "TS"
ADD025CV1TS	Water Softener d.c. 25 lt v. Clack WS1CI 1" meter on demand brine tank "TS"
ADD030CV1TS	Water Softener d.c. 30 lt v. Clack WS1CI 1" meter on demand brine tank "TS"
ADD040CV1TS	Water Softener d.c. 40 lt v. Clack WS1CI meter on demand brine tank "TS"

ADD050CV1TS	Water Softener d.c. 50 lt v. Clack WS1CI meter on demand brine tank "TS"
ADD060CV1TS	Water Softener d.c. 60 lt v. Clack WS1CI meter on demand brine tank "TS"
ADD075CV1TS	Water Softener d.c. 75 lt v. Clack WS1CI meter on demand brine tank "TS"
ADD090CV1TS	Water Softener d.c. 90 lt v. Clack WS1CI meter on demand brine tank "TS"
ADD100CV1TS	Water Softener d.c. 100 lt v. Clack WS1CI meter on demand brine tank "TS"
ADD125CV1TS	Water Softener d.c. 125 lt v. Clack WS1CI meter on demand brine tank "TS"

## ADD-CLACK WS1.5CI DC Simplex Series

## Simplex Water Softeners Clack valves WS1.5CI meter controlled



Note: all water softeners with dimensions starting from 100 liters of resin are supplied disassembled (components and resin to be assembled)

Item-Nr:	Description:
ADD100CV15TS	Water.Softener 100 l w/ Clack WS1.5CI 1 ½" metered brine tank 200 L
ADD125CV15TS	Water.Softener 125 l w/ Clack WS1.5CI 1 ½" metered brine tank 300 L
ADD150CV15TS	Water.Softener 150 l w/ Clack WS1.5CI 1 ½" metered brine tank 300 L
ADD175CV15TS	Water.Softener 175 l w/ Clack WS1.5CI 1 ½" metered brine tank 500 L
ADD200CV15TS	Water.Softener 200 l w/ Clack WS1.5CI 1 ½" metered brine tank 500 L
ADD250CV15TS	Water.Softener 250 l w/ Clack WS1.5CI 1 ½" metered brine tank 500 L
ADD300CV15TS	Water.Softener 300 l w/ Clack WS1.5CI 1 ½" metered brine tank 750/850 L
ADD350CV15TS	Water.Softener 350 l w/ Clack WS1.5CI 1 ½" metered brine tank 750/850 L
ADD400CV15TS	Water.Softener 400 l w/ Clack WS1.5CI 1 ½" metered brine tank 1000 L
ADD450CV15TS	Water.Softener 450 l w/ Clack WS1.5CI 1 ½" metered brine tank 1000 L

## ADD-CLACK WS1.5PCI (Noryl) DC Simplex Series

Simplex Water Softeners Clack valves WS1.5PCI (Noryl) meter controlled



Note: all water softeners with dimensions starting from 100 liters of resin are supplied disassembled (components and resin to be assembled)

Item-Nr:	Description:
ADD100CV15PTS	Water.Softener 100 l w/ Clack WS1.5PCI (Noryl) 1 1/2" metered brine tank 200 L
ADD125CV15PTS	Water.Softener 125 l w/ Clack WS1.5PCI (Noryl) 1 1/2" metered brine tank 300 L
ADD175CV15PTS	Water.Softener 175 l w/ Clack WS1.5PCI (Noryl) 1 1/2" metered brine tank 500 L
ADD200CV15PTS	Water.Softener 200 l w/ Clack WS1.5PCI (Noryl) 1 1/2" metered brine tank 500 L
ADD250CV15PTS	Water.Softener 250 l w/ Clack WS1.5PCI (Noryl) 1 1/2" metered brine tank 500 L
ADD300CV15PTS	Water.Softener 300 l w/ Clack WS1.5PCI (Noryl) 1 1/2" metered brine tank 750/850 L
ADD350CV15PTS	Water.Softener 350 l w/ Clack WS1.5PCI (Noryl) 1 1/2" metered brine tank 750/850 L
ADD400CV15PTS	Water.Softener 400 l w/ Clack WS1.5PCI (Noryl) 1 1/2" metered brine tank 1000 L
ADD450CV15PTS	Water.Softener 450 l w/ Clack WS1.5PCI (Noryl) 1 1/2" metered brine tank 1000 L

## ADD-CLACK WS2CI DC Simplex Series

Simplex Water Softeners Clack valves WS2CI meter controlled



Note: all water softeners with dimensions starting from 100 liters of resin are supplied disassembled (components and resin to be assembled)

Item-Nr:	Description:
ADD100CV20TS	Water.Softener 100 l w/ Clack WS2CI 2" metered brine tank 200 L
ADD125CV20TS	Water.Softener 125 l w/ Clack WS2CI 2" metered brine tank 300 L
ADD150CV20TS	Water.Softener 150 l w/ Clack WS2CI 2" metered brine tank 300 L
ADD200CV20TS	Water.Softener 200 l w/ Clack WS2CI 2" metered brine tank 500 L
ADD250CV20TS	Water.Softener 250 l w/ Clack WS2CI 2" metered brine tank 500 L
ADD300CV20TS	Water.Softener 300 l w/ Clack WS2CI 2" metered brine tank 750/850 L
ADD350CV20TS	Water.Softener 350 l w/ Clack WS2CI 2" metered brine tank 750/850 L

ADD400CV20TS	Water.Softener 400 l w/ Clack WS2CI 2" metered brine tank 1000 L
ADD450CV20TS	Water.Softener 450 l w/ Clack WS2CI 2" metered brine tank 1000 L
ADD500CV20TS	Water.Softener 500 l w/ Clack WS2CI 2" metered brine tank 1000 L
ADD650CV20TS	Water.Softener 650 l w/ Clack WS2CI 2" metered brine tank 1000 L
ADD750CV20TS	Water.Softener 750 l w/ Clack WS2CI 2" metered brine tank 1000 L
ADD800CV20TS	Water.Softener 800 l w/ Clack WS2CI 2" metered brine tank 1000/1500 L
ADD900CV20TS	Water.Softener 900 l w/ Clack WS2CI 2" metered brine tank 1000/1500 L
ADDZ000CV20TS	Water.Softener 1000 l w/ Clack WS2CI 2" metered brine tank 1000/1500 L



## DUPLIX ALTERNATED WATER SOFTENERS VALVE CLACK WS1CI TWIN

### ADT-Twin Softeners Clack WS1TTCI Duplex Series

Twin System Water Softeners Clack valve WS1TTCI Twin meter controlled



Item-Nr:	Description:
ADT015CI01TT	Twin alternate system water softener 15 L valve Clack WS1TTCI Twin 1 x brine tank 100 L
ADT020CI01TT	Twin alternate system water softener 20 L valve Clack WS1TTCI Twin 1 x brine tank 100 L
ADT025CI01TT	Twin alternate system water softener 25 L valve Clack WS1TTCI Twin 1 x brine tank 100 L
ADT030CI01TT	Twin alternate system water softener 30 L valve Clack WS1TTCI Twin 1 x brine tank 100 L
ADT040CI01TT	Twin alternate system water softener 40 L valve Clack WS1TTCI Twin 1 x brine tank 150 L
ADT050CI01TT	Twin alternate system water softener 50 L valve Clack WS1TTCI Twin 1 x brine tank 150 L
ADT060CI01TT	Twin alternate system water softener 60 L valve Clack WS1TTCI Twin 1 x brine tank 150 L
ADT075CI01TT	Twin alternate system water softener 75 L valve Clack WS1TTCI Twin 1 x brine tank 150 L
ADT090CI01TT	Twin alternate system water softener 90 L valve Clack WS1TTCI Twin 1 x brine tank 200 L
ADT100CI01TT	Twin alternate system water softener 100 L valve Clack WS1TTCI Twin 1 x brine tank 200 L
ADT125CI01TT	Twin alternate system water softener 125 L valve Clack WS1TTCI Twin 1 x brine tank 300 L
ADT150CI01TT	Twin alternate system water softener 150 L valve Clack WS1TTCI Twin 1 x brine tank 300 L
ADT175CI01TT	Twin alternate system water softener 175 L valve Clack WS1TTCI Twin 1 x brine tank 500 L
ADT200CI01TT	Twin alternate system water softener 200 L valve Clack WS1TTCI Twin 1 x brine tank 500 L



## ACTIVATED CARBON FILTERS

### FCA-M Manual Carbon Filter Manual Head

### FCA-M Granular activated carbon filter with manually operated valve



Prices on request

Item-Nr:	Description:
FCA-M	Prices on request
FCAM1054	FCA-M 10 GAC carbon filter with manually operated valve Ø 255 mm H 1564 mm
FCAM1252	FCA-M 12 GAC carbon filter with manually operated valve Ø 310 mm H 1500 mm
FCAM1354	FCA-M 13 GAC carbon filter with manually operated valve Ø 336 mm H 1564 mm

### FCA-A CT Automatic Carbon Filter Clack WS1TC

### FCA-A CT Automatic granular activated carbon filter with time controlled Clack valve



Prices on request

Item-Nr:	Description:
FCA-A	Prices on request
FCAA1054CT1	FCA-A CT10 Automatic GAC carbon filter valve Clack 1" time contr. Ø 255 mm H 1550 mm
FCAA1252CT1	FCA-A CT12 Automatic GAC carbon filter valve Clack 1" time contr. Ø 310 mm H 1500 mm
FCAA1354CT11	FCA-A CT13 Automatic GAC carbon filter valve Clack 1" time contr. Ø 346 mm H 1550 mm
FCAA1465CT1	FCA-A CT14 Automatic GAC carbon filter valve Clack 1" time contr. Ø 369 mm H 1855 mm
FCAA1665CT1	FCA-A CT16 Automatic GAC carbon filter valve Clack 1" time contr. Ø 422 mm H 1855 mm
FCAA1865CT1	FCA-A CT18 Automatic GAC carbon filter valve Clack 1" time contr. Ø 451 mm H 1870 mm
FCAA2162CT1.25	FCA-A CT21 Automatic GAC carbon filter valve Clack 1 ¼" time contr. Ø 532 mm H 1820 mm
FCAA2472CT1.5	FCA-A CT 24 Automatic GAC carbon filter valve Clack 1 ½" time contr. Ø 616 mm H 2090 mm
FCAA3072CT2	FCA-A CT 30 Automatic GAC carbon filter valve Clack 2" time contr. Ø 800mm H 2100 mm

## DF-BM Automatic Iron Removal Filters with BIRM Valve WS1TC

## Automatic Iron Removers with BIRM



PRICES UPON REQUEST - Regeneration through simple upstream rinse with only water without any type of regenerating additive. This process is suitable only in case the oxygen content in water is at least 15% of the iron content to be removed, with pH value between 6,5 and 9, with absolutely hydrogen sulphide free water and with chlorine content not exceeding 0,3 ppm. BIRM flow rates: 11m<sup>3</sup>/h x m<sup>2</sup> up to 0,8 ppm Fe, 9,9 m<sup>3</sup> x m<sup>2</sup> up to 1 ppm Fe, 9 m<sup>3</sup>/h x m<sup>2</sup> up to 1,5 ppm Fe, 7 m<sup>3</sup>/h x m<sup>2</sup> up to 4 ppm Fe, 4,5 m<sup>3</sup>/h x m<sup>2</sup> up to 8 ppm Fe, 4 m<sup>3</sup>/h x m<sup>2</sup> up to 10 ppm Fe

BIRM flow rates: 11m<sup>3</sup>/h x m<sup>2</sup> up to 0,8 ppm Fe, 9,9 m<sup>3</sup> x m<sup>2</sup> up to 1 ppm Fe, 9 m<sup>3</sup>/h x m<sup>2</sup> up to 1,5 ppm Fe, 7 m<sup>3</sup>/h x m<sup>2</sup> up to 4 ppm Fe, 4,5 m<sup>3</sup>/h x m<sup>2</sup> up to 8 ppm Fe, 4 m<sup>3</sup>/h x m<sup>2</sup> up to 10 ppm Fe

Item-Nr:	Description:
DF-BM	Prices on request

## FQ-M Manual Quartz Sand Filter

## Quartz sand manual filters



Item-Nr:	Description:
FQ-M	Prices on request

## QUARTZ SAND FILTERS

### FQ-M Manual Quartz Sand Filter

#### Quartz sand manual filters



Item-Nr:	Description:
FQAM1054	FQ-M 10 Quarz sand filter with manually operated valve Ø 255 mm H 1564 mm
FQAM1252	FQ-M 12 Quarz sand filter with manually operated valve Ø 310 mm H 1500 mm
FQAM1354	FQ-M 13 Quarz sand filter with manually operated valve Ø 336 mm H 1564 mm

### FQ-A Automatic Multi-Layer Filters valve Clack WS1TC

#### Quartzite automatic filters



Item-Nr:	Description:
FCQA	Prices on request
FCQA1054CT1	FQA-A CT10 Automatic sand filter w/control valve Clack 1" time controlled Ø 255 mm H 1550 mm
FCQA1252CT1	FQA-A CT12 Automatic sand filter w/control valve Clack 1" time controlled Ø 310 mm H 1500 mm
FK	Prices upon request
FQ-A	Prices on request
FQ-A	Prices on request
FQA1252CT1	FQA-A CT12 Automatic sand filter w/control valve Clack 1" time controlled Ø 310 mm H 1500 mm
FQAA1354CT11	FQA-A CT13 Automatic sand filter w/control valve Clack 1" time controlled Ø 346 mm H 1550 mm
FQAA1465CT1	FQA-A CT14 Automatic sand filter w/control valve Clack 1" time controlled Ø 369 mm H 1855 mm
FQAA1665CT1	FQA-A CT16 Automatic sand filter w/control valve Clack 1" time controlled Ø 422 mm H 1855 mm
FQAA1865CT1	FQA-A CT18 Automatic sand filter w/control valve Clack 1" time controlled Ø 451 mm H 1870 mm
FQAA2162CT1.25	FQA-A CT21 Automatic sand filter w/control valve Clack 1 ¼" time controlled Ø 532 mm H 1820 mm
FQAA2472CT1.5	FQA-A CT 24 Automatic sand filter w/control valve Clack 1 ½" time controlled Ø 616 mm H 2090 mm
FQAA3072CT2	FQA-A CT 30 Automatic sand filter w/control valve Clack 2" time controlled Ø 800mm H 2100 mm

## IRON REMOVAL SYSTEMS

### DF-BM Automatic Iron Removal Filters with BIRM Valve WS1TC

### Automatic Iron Removers with BIRM



PRICES UPON REQUEST - Regeneration through simple upstream rinse with only water without any type of regenerating additive. This process is suitable only in case the oxygen content in water is at least 15% of the iron content to be removed, with pH value between 6,5 and 9, with absolutely hydrogen sulphide free water and with chlorine content not exceeding 0,3 ppm. BIRM flow rates: 11m<sup>3</sup>/h x m<sup>2</sup> up to 0,8 ppm Fe, 9,9 m<sup>3</sup> x m<sup>2</sup> up to 1 ppm Fe, 9 m<sup>3</sup>/h x m<sup>2</sup> up to 1,5 ppm Fe, 7 m<sup>3</sup>/h x m<sup>2</sup> up to 4 ppm Fe, 4,5 m<sup>3</sup>/h x m<sup>2</sup> up to 8 ppm Fe, 4 m<sup>3</sup>/h x m<sup>2</sup> up to 10 ppm Fe

BIRM flow rates: 11m<sup>3</sup>/h x m<sup>2</sup> up to 0,8 ppm Fe, 9,9 m<sup>3</sup> x m<sup>2</sup> up to 1 ppm Fe, 9 m<sup>3</sup>/h x m<sup>2</sup> up to 1,5 ppm Fe, 7 m<sup>3</sup>/h x m<sup>2</sup> up to 4 ppm Fe, 4,5 m<sup>3</sup>/h x m<sup>2</sup> up to 8 ppm Fe, 4 m<sup>3</sup>/h x m<sup>2</sup> up to 10 ppm Fe

Item-Nr:	Description:
DF025BM1054CTC10	Automatic iron removal Filter with BIRM 25 - Control valve Clack WS1TC 1" time controlled
DF030BM1354CTC10	Automatic iron removal Filter with BIRM 30 - Control valve Clack WS1TC 1" time controlled
DF035BM1465CTC10	Automatic iron removal Filter with BIRM 35 - Control valve Clack WS1TC 1" time controlled
DF040BM1665CTC10	Automatic iron removal Filter with BIRM 40 - Control valve Clack WS1TC 1" time controlled
DF045BM1865CTC10	Automatic iron removal Filter with BIRM 45 - Control valve Clack WS1TC 1" time controlled
DF45M1865CTC15	Automatic iron removal Filter with BIRM 45 - Control valve Clack WS1CI 1 1/2" time controlled

## 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 hose nozzle 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 ¾" 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 brass chrome-plated in/out port 2" Flanged
AM07FL11	Magnetic scale preventer MG8 in brass chrome-plated in/out port 3" Flanged
AM08FL12	Magnetic scale preventer MG9 in brass chrome-plated in/out port 4" Flanged

## AN MA-EC

## Magnetic scale preventer MG-EC Series

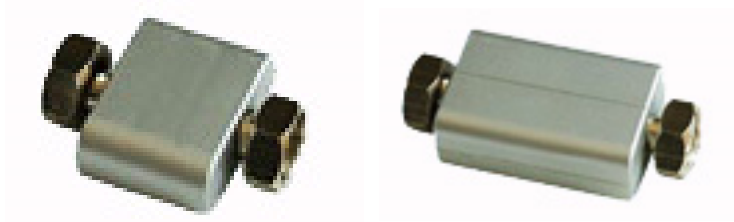


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Item-Nr:	Description:
MD01MF012	Magnetic scale preventer MINI EC in brass chrome-plated in/out port ½ M/F for household appliances
MD02MF034	Magnetic scale preventer MINI EC in brass chrome-plated in/out port ¾" M/F for household appliances

## AN-MA Swivel EC

## Magnetic scale preventer with plastic body and swivel nut



Item-Nr:	Description:
MD01FF012	Magnetic scale preventer EC with short plastic body and swivel nut in brass
MD02FF012	Magnetic scale preventer EC with long plastic body and swivel nut in brass



## POINT OF USE RESIDENTIAL UF/ RO SYSTEMS AND ACCESSORIES

HOUSEHOLD RO SYSTEMS WITH STORAGE TANK - RO SYSTEMS FOR AQUARIUS - DIRECT FLOW DOMESTIC RO SYSTEMS (NO STORAGE TANK) - ECONOMIC - DIRECT FLOW RO SYSTEMS (NO STORAGE TANK) - PREMIUM - UF ULTRAFILTRATION SYSTEMS



## HOUSEHOLD RO SYSTEMS WITH STORAGE TANK

### RO - CL

### RO - CL Reverse osmosis system



Different models and variations available 4 , 5, 6, and 7 -stage can be fitted with pressure pump,Ultraviolet system, post-mineralized in line cartridge, manual or automatic flush.

Standard set coming with: sediment filter 5 mic, block carbon filter 5 mic, RO membrane, in-line GAC post filter water supply valve, long reach faucet, storage tank 19 l, drain clamp. Customized model available upon request

Item-Nr:	Description:
RO409A100001	4-Stage RO system 2 prefilters 9 3/4" (sediment - GAC), membrane TFC 50 GPD, post filter in line carbon and
RO409A1P0001	4-Stage RO system 2 prefilters 9 3/4" (sediment - GAC), membrane TFC 50 GPD, post filter in line carbon,
RO409A2P0001	4-Stage RO system 2 prefilters 9 3/4" (sediment - GAC), membrane TFC 75 GPD, post filter in line carbon,
RO409A3P0001	4-Stage RO system 2 prefilters 9 3/4" (sediment - GAC), membrane TFC 100 GPD, post filter in line carbon,
RO509A100001	5-Stage RO system 3 prefilters 9 3/4" (sediment - CB-GAC), membrane TFC 50 GPD, post filter in line carbon
RO509A1000R01	5-Stage RO system 2 prefilters 9 3/4" (sediment - GAC), membrane TFC 50 GPD, post filter in line carbon, post
RO509A1P0001	5-Stage RO system 3 prefilters 9 3/4" (sediment -CB- GAC), membrane TFC 50 GPD, post filter in line carbon,
RO509A2002G1	5-Stage RO system 3 prefilters 9 3/4" (sediment - GAC), membrane TFC 75 GPD, post filter in line carbon, w/out
ROXT075	Extra Preis membrane 75 GPD
ROXT100	Extra Preis membrane 100 GPD
ROXT150	Extra Preis membrane 150 GPD



## RO SYSTEMS FOR AQUARIUS

### RO-EC

### 2-3 stage reverse osmosys systems for aquarius



Pre-assembled economic systems consists of simply RO membrane contained in a plastic vessel and in-line post carbon filter linked by two double plastic clips. Water production is obtained by operating manually on a ball valve upstream the system. SUITABLE FOR USE WITH AQUARIUM etc.

Item-Nr:	Description:
RO03ECLSC1020M01	3-Stage RO system 2 prefilters in line 10x2" (sediment - GAC) for Aquarius 50 GPD (200 l/day)+accessories
RO03ECLSC1225M01	3-Stage RO system 2 prefilters in line 12x2,5" (sediment - GAC) for Aquarius 50 GPD (200 l/day)+accessories
RO03ECVSCM01	3-Stage RO system 2 prefilters 9 3/4" (sediment - GAC) for technical use/aquarius 50 GPD (200

### WS PURE

### Multi-stage water purification portable filter



Item-Nr:	Description:
WPURMSA1	Multi-stage portable water purification filter (ceramic-carbon-bioceramic-cation resin)

## DIRECT FLOW DOMESTIC RO SYSTEMS (NO STORAGE TANK) - ECONOMIC

### RO DIRECT ECO 400 CL

RO DIRECT ECO 400 CL RO Systems with direct permeate production (no storage tank)



Direct Flow (Tankless) Reverse Osmosis System  
Product Specification:  
Big Flow 5-Stage RO System without tank  
RO-400G-

M

Features:

- ☐ Flush type: Auto Flush
  - ☐ Big Flow, without pressure tank
  - ☐ RO Water Output: 400GPD
  - ☐ Housing: 122-10Y-W Single "O" Ring Housing
  - ☐ Fittings type: JACO
  - ☐ Diaphragm Booster Pump with Adaptor 110V/ 220V, 50/60HZ
  - ☐ Faucet: GF02C
  - ☐ RO Membrane HF
- Unit Packing Dimension: 42\*41.5\*46.5cm

Item-Nr:

Description:

ROECOCL400DF

ECO CL 400 CL RO DirectFlow 72 l/h

### RO ECO 400 QF

RO ECO 400 QF RO Systems with direct permeate production (no storage tank)



Product Specification: N03F Compact RO\_  
RO-400G-N03F  
FEATU RES  
· 4-stage compact ro system : PP, GAC, CTO, RO  
· Pure water flow 1. 2L/min  
· No tank needed, enjoy fresh water at any time  
·

- On board computer with cartridge reminder
- Lower waste water ratio : 1 : 1
  - Smaller but smater
  - Wifi function : check working state and TDS at any time through your phone app
  - Machine dimension : 390\*235 \* 385mm
  - Packing dimension : 550 \* 285 \* 460mm

Item-Nr:

Description:

ROECO400QFWT

RO 400 QF compact reverse osmosis systems with quick connect filters 72 l / h

## RO ECO-S - RO DIRECT

RO ECO-S - RO DIRECT RO Systems with direct permeate production (no storage tank)



Direct Flow (Tankless) Reverse Osmosis System advantages and components

- Compact design and extremely reduced dimensions
- Can be easily installed under the counter as well as under the kitchen baseboard. Powerful AC Motor Pump, Compact, Big Flow, Tankless

Main

### FEATURES:

No need tank, enjoy fresh pure water directly from RO System  
 Microcomputer Control, Auto Flush  
 Pure Water Flow: 0.8L/1.2 l/m  
 Fitting Type: Quick Fittings  
 Luxury Stainless Steel Faucet  
 RO Unit Dimension: 43.5\*39\*10.5CM  
**PROCESS:**  
 1st Stage: Spun Sediment Filter  
 2nd Stage: Carbon Block Filter  
 3rd Stage: 150 GPD RO Membranes

Item-Nr:	Description:
ROECOSC400DF	ECO S Compact Compact DirectFlow RO system 72 l/h

## DIRECT FLOW RO SYSTEMS (NO STORAGE TANK) - PREMIUM

### MYRA Osmo - RO DIRECT MYRA Osmo RO Systems with direct permeate production (tankless)



#### Direct Flow (Tankless) Reverse Osmosis System

MYRA OSMO is a direct flow tankless ultra-compact reverse osmosis system. It can be easily installed under the sink or under the plinth of your kitchen, built with the best quality components compliant with the Italian Ministerial Decree 174 / 2004, featuring an extremely compact and attractive design combined with superior performance, with extremely low noise level and almost zero heat variations. The system is equipped with an LCD display and a special cover for quick access to the filter compartment, which simplifies periodic assistance and maintenance operations.

#### ELECTRONIC CONTROL

- Electronic function control unit
- Backlit display with soft touch adjustment keys
- Filter replacement alarm
- Flood alarm with automatic block in case of leaks
- Automatic washing of the membranes adjustable every 6-8-12 hours of inactivity

- Filter replacement alarm  
- Flood alarm with automatic block in case of leaks  
CUSTOMIZATION The front part can be customized according to needs both with stickers and with a methacrylate panel in various colors, with the possibility of applying laser engravings, with the company logo, product name, based on the customer's instructions.

#### VERSIONS AVAILABLE

MYRA OSMO 2 - 2 membranes dispenses osmotic water at room temperature

MYRA OSMO 3 - 3 membranes dispenses osmotic water at room temperature

MYRA OSMO Soda w/carbonator, dispenses smooth and sparkling osmotic water

MYRA OSMO Alka alkaline post filter, delivers remineralised osmotic water

Item-Nr:	Description:
MOKAVK1B200	Myra Osmo Alka (2 membranes) direct flow RO system pump SHP900 w/alkaline post-filter
MOLAVK1B200	Myra Osmo 2 (2 membranes) direct flow RO system pump SHP900
MOLAVK1B300	Myra Osmo 3 (3 membranes) direct flow RO system Pump SHP900
MOSAVK1B200	Myra Osmo Soda (2 membranes) direct flow RO system diaphragm pump SHP900 w/carbonator f. sparkling

## MYRA Osmo MINI - RO DIRECT

## MYRA Osmo Mini RO Systems with direct permeate production (tankless)



### Direct Flow (Tankless) Reverse Osmosis System

MYRA OSMO is a direct flow tankless ultra-compact reverse osmosis system. It can be easily installed under the sink or under the plinth of your kitchen, built with the best quality components compliant with the Italian Ministerial Decree 174 / 2004, featuring an extremely compact and attractive design combined with superior performance, with extremely low noise level and almost zero heat variations. The system is equipped with an LCD display and a special cover for quick access to the filter compartment, which simplifies periodic assistance and maintenance operations.

### ELECTRONIC CONTROL

- Electronic function control unit
- Backlit display with soft touch adjustment keys
- Filter replacement alarm
- Flood alarm with automatic block in case of leaks
- Automatic washing of the membranes adjustable every 6-8-12 hours of inactivity

### Filter replacement alarm

- Flood alarm with automatic block in case of leaks

**CUSTOMIZATION** The front part can be customized according to needs both with stickers and with a methacrylate panel in various colors, with the possibility of applying laser engravings, with the company logo, product name, based on the customer's instructions.

### VERSIONS AVAILABLE

MYRA OSMO 2 - 2 membranes dispenses osmotic water at room temperature

MYRA OSMO 3 - 3 membranes dispenses osmotic water at room temperature

MYRA OSMO Soda w/carbonator, dispenses smooth and sparkling osmotic water

MYRA OSMO Alka alkaline post filter, delivers remineralised osmotic water

Item-Nr:	Description:
MOLAVK1B2FM	Myra Osmo 2 MINI (2 membranes) direct flow RO system pump SHP900

## UF ULTRAFILTRATION SYSTEMS

### UF ECO COMP

### Ultra Compact Ultrafiltration System



Ultra Compact Ultrafiltration System Main advantages and components

- Compact design and extremely reduced dimensions
- Can be easily installed under the counter as well as under the kitchen baseboard. Powerful AC Motor Pump, Compact, Big Flow, Tankless

**FEATURES:**  
 Microcomputer Control, Auto Flush  
 Pure Water Flow: 0.8L/1.2 l/m  
 Fitting Type: Quick Fittings  
 Luxury Stainless Steel Faucet  
 RO Unit Dimension: 43.5\*39\*10.5CM  
**PROCESS:**  
 1st Stage: Spun Sediment Filter  
 2nd Stage: Carbon Block Filter  
 3rd Stage: UF hollow fiber ultrafiltration membrane

Item-Nr:	Description:
UFECOSC04	UF ECO S Compact- 5-stage ultrafiltration system

### UF ECO 03S

### ECO S03 Ultrafiltration System



Ultrafiltration System Main advantages and components

- Compact design and extremely reduced dimensions
- Can be easily installed under the counter as well as under the kitchen baseboard. Powerful AC Motor Pump, Compact, Big Flow, Tankless

**FEATURES:**  
 Pure Water Flow: 0.8L/1.2 l/m  
 Fitting Type: Quick Fittings  
 1st Stage: Spun Sediment Filter  
 2nd Stage: Carbon Block Filter  
 3rd Stage: UF hollow fiber ultrafiltration membrane

Item-Nr:	Description:
UFECO03S	UF ECO 03S Compact- 3-stage ultrafiltration system with 1 way faucet

## UF ECO 04S

## ECO S04 Ultrafiltration System



Ultrafiltration System Main advantages and components  
 - Compact deign and extremely reduced dimensions  
 - Can be easily installed under the counter as well as under the kitchen baseboard. Powerful AC Motor Pump, Compact,Big Flow,Tankless

**FEATURES:**  
 Pure Water Flow: 0.8L/1.2 l/m  
 Fitting Type: Quick Fittings  
 1st Stage: Spun Sediment Filter  
 2nd Stage: Carbon Block Filter  
 3rd Stage: UF hollow fiber ultrafiltration membrane  
 4th stage: GAC filter with granular activated carbon

Item-Nr:	Description:
UFECO04S	UF ECO 04S Compact- 4-stage ultrafiltration system

## UF ECO 04T

## ECO 04T Countertop Ultrafiltration System



Countertop Ultrafiltration System Main advantages and components  
 - Compact deign and extremely reduced dimensions  
 - Can be easily installed under the counter as well as under the kitchen baseboard. Powerful AC Motor Pump, Compact,Big Flow,Tankless

**FEATURES:**  
 Pure Water Flow: 0.8L/1.2 l/m  
 Fitting Type: Quick Fittings  
 1st Stage: Spun Sediment Filter  
 2nd Stage: Carbon Block Filter  
 3rd Stage: UF hollow fiber ultrafiltration membrane  
 4th stage: GAC filter with granular activated carbon

Item-Nr:	Description:
UFECO04T	UF ECO 04T Countertop 4-stage ultrafiltration system

## UF ECO FILTERS

Filters and spare parts for ultrafiltration systems UF ECO  
COMP / ECO S03 / ECOS04



Item-Nr:	Description:
QCCB10F-	QC-Slim carbon block bayonet filter with quick connect head for UF ECO Systems
QCCB10F00-	QC-Slim Replacement carbon block quick coupling bayonet filter for UF ECO Systems
QCGC10F-	QC-Slim AC granular carbon bayonet filter with quick connect head for UF ECO Systems
QCGC10F00-	QC-Slim Replacement GAC granular carbon quick coupling bayonet filter for UF ECO Systems
QCPP10F-	QC-Slim PP bayonet filter with quick connect head for UF ECO Systems
QCPP10F00-	QC-Slim Replacement PP Sediment quick coupling bayonet filter for UF ECO Systems
QCUF10F-	QC-Slim UF bayonet filter with quick connect head for UF ECO Systems
QCUF10F00-	QC-Slim Replacement UF ultrafiltration quick coupling bayonet filter for UF ECO Systems
XQC10HE-	QC-Slim- Head for bayonet QC-Slim filters 1/4" FF connection for UF ECO Systems
ZUF03SSF03VB	RO bracket triple powder-coated white for UF 03S





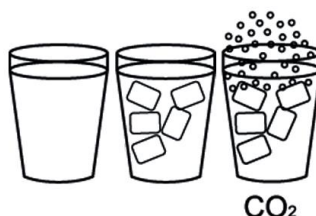
## DOMESTICS AND PROFESSIONAL POINT-OF-USE WATER DISPENSERS

POINT-OF- USE WATER DISPENSERS FOR HOUSEHOLD AND OFFICES - PROFESSIONAL POINT-OF-USE  
WATER DISPENSERS FOR BARS AND RESTAURANTS - CO2 CYLINDERS - PRESSURE REDUCER FOR CO2  
CYLINDERS - WATER DISPENSERS

## POINT-OF- USE WATER DISPENSERS FOR HOUSEHOLD AND OFFICES

### DAPHNE Osmo Top

**DAPHNE Osmo Top (Countertop) water dispenser : still water/cold water/sparkling water w/direct flow (tankless) RO-System**



DAPHNE OSMO is a tankless reverse osmosis dispenser with direct production of permeate. It can easily be installed under the sink (Daphne OSMO Under version) or above any piece of furniture in your kitchen (DAHPNE OSMO Top version). Built with the best quality components according to D.M.174 /2004, characterized by an extremely compact and attractive design combined with superior performance, with reduced noise levels and almost zero thermal fluctuations. The system is equipped with an LCD display and a special cover for quick access to the filter compartment, which simplifies regular maintenance and service work. Allows for the continuous dispensing of still water at room temperature, still chilled and chilled sparkling water. TECHNICAL FEATURES - Power supply: 230 V 50 Hz - Power consumption: 200 W (in operation) - Dry cooling, hydraulic WITHOUT forced ventilation - Compressor 1/8 HP - Saturator 2.2 L - Sparkling water carbonator 2 L - Pump: Booster pump 900 GPD Super High Performance 48V 8bar\* - \*or 180 W motor and rotary vane pump on request

- Working pressure: 8 bar - Inlet water pressure: Min. 2, Max. 5 bar
- Operating temperature 2-35°C - Rejection rate: 95/98%
- Permeate/waste water ratio: 1/1 - Nominal osmotic water production at 25°C - Mod. with 2 2012 XL membranes 180 GPD 180 or 200 GPD 100 l/h (+/- 10%) - Mod. with 3 2012 XL membranes of 180 GPD 180 or 200 GPD 120 l/h (+/- 10%) - Cold water production 20 l/h with T. inlet 22°C and outlet 10°C - Permeate/effluent ratio: 1/1 - Pump start delay - TDS control BYPASS - External pressure gauge - Electronic temperature control
- Dimensions: H 39 x W 18.7 x D 49 cm - Weight: 25 ELECTRONIC CONTROL - Electronic function control unit - Backlit display with soft-touch adjustment buttons - Filter change alarm - Water leak alarm with automatic blocking in case of leakage - Automatic washing of the membranes adjustable every 6-8-12 hours at rest

Item-Nr:	Description:
DOTAVK1B200	Daphne Osmo Top Ambient/cold/sparkling water dispenser with direct flow reverse osmosis system Countertop

## DAPHNE Osmo Under

## DAPHNE Osmo Under (Undercounter) water dispenser : still water/cold water/sparkling water w/direct flow (tankless) RO-System



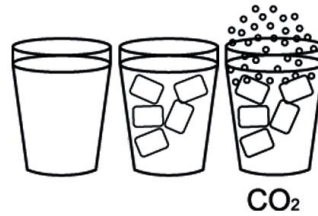
DAPHNE OSMO is a tankless reverse osmosis dispenser with direct production of permeate. It can easily be installed under the sink (Daphne OSMO Under version) or above any piece of furniture in your kitchen (DAPHNE OSMO Top version). Built with the best quality components according to D.M.174 /2004, characterized by an extremely compact and attractive design combined with superior performance, with reduced noise levels and almost zero thermal fluctuations. The system is equipped with an LCD display and a special cover for quick access to the filter compartment, which simplifies regular maintenance and service work. Allows for the continuous dispensing of still water at room temperature, still chilled and chilled sparkling water. TECHNICAL FEATURES - Power supply: 230 V 50 Hz - Power consumption: 200 W (in operation) - Dry cooling, hydraulic WITHOUT forced ventilation - Compressor 1/8 HP - Saturator 2.2 L - Sparkling water carbonator 2 L - Pump: Booster pump 900 GPD Super High Performance 48V 8bar\* - \*or 180 W motor and rotary vane pump on request

- Working pressure: 8 bar - Inlet water pressure: Min. 2, Max. 5 bar
- Operating temperature 2-35°C - Rejection rate: 95/98%
- Permeate/waste water ratio: 1/1 - Nominal osmotic water production at 25°C - Mod. with 2 2012 XL membranes 180 GPD 180 or 200 GPD 100 l/h (+/- 10%) - Mod. with 3 2012 XL membranes of 180 GPD 180 or 200 GPD 120 l/h (+/- 10%) - Cold water production 20 l/h with T. inlet 22°C and outlet 10°C - Permeate/effluent ratio: 1/1 - Pump start delay - TDS control BYPASS - External pressure gauge - Electronic temperature control
- Dimensions: H 39 x W 18.7 x D 49 cm - Weight: 25
- ELECTRONIC CONTROL - Electronic function control unit - Backlit display with soft-touch adjustment buttons - Filter change alarm - Water leak alarm with automatic blocking in case of leakage - Automatic washing of the membranes adjustable every 6-8-12 hours at rest

Item-Nr:	Description:
DOUAVK1B200	Daphne Osmo Under Ambient/cold/sparkling water dispenser with direct flow reverse osmosis system

## DAPHNE Micro Top

**DAPHNE Micro Top (Countertop) water dispenser : still water/cold water/sparkling water without pre-filtration**



DAPHNE MICRO is a water cooling dispenser with pre-filtration. It can be easily installed under the sink (DAPHNE Micro Under version) or above any piece of furniture in your kitchen (DAPHNE MICRO Top version). Built with the best quality components according to D.M.174 /2004, characterized by an extremely compact and attractive design combined with superior performance, with reduced noise levels and almost zero thermal fluctuations. The system is equipped with an LCD display and a special cover for quick access to the filter compartment, which simplifies regular maintenance and service work. Allows continuous dispensing of room temperature and chilled still water as well as chilled sparkling water. All connections are at the back: water pipe inlet, CO2 cylinder inlet, natural cold water outlets, sparkling cold water and natural room temperature water outlets.

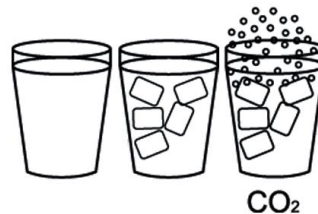
**TECHNICAL FEATURES** - Dry cooling, hydraulic WITHOUT forced ventilation - 1/8 Hp compressor - 2.2 l saturator - 2 l sparkling water carbonator - Pump: Booster 900 GPD Super High Performance 48V 8bar\* - \*or 180 W motor and vane pump on request - Nominal water production at 25°C and pressure 3.5 bar: approx 2 l/h - Production of cold water 20 l/h with T. inlet 22° C and outlet 10° C - External pressure gauge - Electronic temperature control - Dimensions: H 39 x W 18.7 x D 49 cm - Weight: 23 kg **ELECTRONIC CONTROL** - Electronic function control unit - Backlit display with soft-touch adjustment buttons - Filter change alarm - Water leak alarm with automatic blocking in case of leakage

Item-Nr:	Description:
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DMTAVK1B200	Daphne Micro Top Ambient/cold/sparkling water dispenser w/microfiltration Countertop version
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## DAPHNE Micro Under

**DAPHNE Micro Under (Undercounter) water dispenser : still water/cold water/sparkling water with and without pre-filtration**



DAPHNE MICRO is a water cooling dispenser with pre-filtration. It can be easily installed under the sink (DAPHNE Micro Under version) or above any piece of furniture in your kitchen (DAPHNE MICRO Top version). Built with the best quality components according to D.M.174 /2004, characterized by an extremely compact and attractive design combined with superior performance, with reduced noise levels and almost zero thermal fluctuations. The system is equipped with an LCD display and a special cover for quick access to the filter compartment, which simplifies regular maintenance and service work. Allows continuous dispensing of room temperature and chilled still water as well as chilled sparkling water.

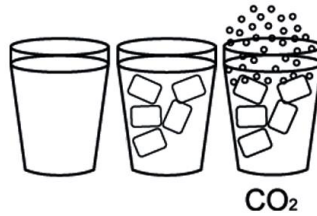
**TECHNICAL FEATURES** - Dry cooling, hydraulic WITHOUT forced ventilation - 1/8 Hp compressor - 2.2 l saturator - 2 l sparkling water carbonator - Pump: Booster 900 GPD Super High Performance 48V 8bar\* - \*or 180 W motor and vane pump on request - Nominal water production at 25°C and pressure 3.5 bar: approx 2 l/h - Production of cold water 20 l/h with T. inlet 22° C and outlet 10° C - External pressure gauge - Electronic temperature control - Dimensions: H 39 x W 18.7 x D 49 cm - Weight: 23 kg **ELECTRONIC CONTROL** - Electronic function control unit - Backlit display with soft-touch adjustment buttons - Filter change alarm - Water leak alarm with automatic blocking in case of leakage

Item-Nr:	Description:
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DMUAVK1B200	Daphne Micro Under Ambient/cold/sparkling water dispenser w/microfiltration Undercounter version
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## DAPHNE Plain Top

## DAPHNE Top (Countertop) water dispenser : still water/cold water/sparkling water with and without pre-filtration



DAPHNE is a water cooling dispenser that can be easily installed under the sink (DAPHNE Under version) or above any piece of furniture in your kitchen (DAPHNE Top version). Built with the best quality components according to D.M.174 /2004, characterized by an extremely compact and attractive design combined with superior performance, with reduced noise levels and almost zero thermal fluctuations. The system is equipped with an LCD display and a special cover for quick access to the filter compartment, which simplifies regular maintenance and service work. Allows continuous dispensing of room temperature and chilled still water as well as chilled sparkling water.

**TECHNICAL FEATURES** - Dry cooling, hydraulic WITHOUT forced ventilation - 1/8 Hp compressor - 2.2 l saturator - 2 l sparkling water carbonator - Pump: Booster 900 GPD Super High Performance 48V 8bar\* - \*or 180 W motor and vane pump on request - Nominal water production at 25°C and pressure 3.5 bar: approx. 2 l/h - Production of cold water 20 l/h with T. inlet 22° C and outlet 10° C - External pressure gauge - Electronic temperature control - Dimensions: H 39 x W 18.7 x D 49 cm - Weight: 23 kg **ELECTRONIC CONTROL** - Electronic function control unit - Backlit display with soft-touch adjustment buttons - Filter change alarm - Water leak alarm with automatic blocking in case of leakage

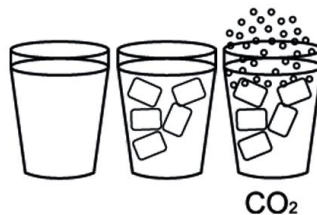
Item-Nr:	Description:
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DVTAVK1B200

Daphne Plain Top Ambient/cold/sparkling water dispenser without pre-filtration Countertop version

## DAPHNE Plain Under

## DAPHNE Under (Undercounter) water dispenser : still water/cold water/sparkling water without pre-filtration



DAPHNE is a water cooling dispenser that can be easily installed under the sink (DAPHNE Under version) or above any piece of furniture in your kitchen (DAPHNE Top version). Built with the best quality components according to D.M.174 /2004, characterized by an extremely compact and attractive design combined with superior performance, with reduced noise levels and almost zero thermal fluctuations. The system is equipped with an LCD display and a special cover for quick access to the filter compartment, which simplifies regular maintenance and service work. Allows continuous dispensing of room temperature and chilled still water as well as chilled sparkling water.

**TECHNICAL FEATURES** - Dry cooling, hydraulic WITHOUT forced ventilation - 1/8 Hp compressor - 2.2 l saturator - 2 l sparkling water carbonator - Pump: Booster 900 GPD Super High Performance 48V 8bar\* - \*or 180 W motor and vane pump on request - Nominal water production at 25°C and pressure 3.5 bar: approx. 2 l/h - Production of cold water 20 l/h with T. inlet 22° C and outlet 10° C - External pressure gauge - Electronic temperature control - Dimensions: H 39 x W 18.7 x D 49 cm - Weight: 23 kg **ELECTRONIC CONTROL** - Electronic function control unit - Backlit display with soft-touch adjustment buttons - Filter change alarm - Water leak alarm with automatic blocking in case of leakage

Item-Nr:	Description:
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DVUAVK1B200

Daphne Plain Under Ambient/cold/sparkling water dispenser without pre-filtration Undercounter version



## DAPHNE Plain Under - Version MINI

## DAPHNE MINI Under (Undercounter-reduced version) water dispenser : still water/cold water/sparkling water without pre-filtration



DAPHNE is a water cooling dispenser that can be easily installed under the sink (DAPHNE Under version) or above any piece of furniture in your kitchen (DAPHNE Top version). Built with the best quality components according to D.M.174 /2004, characterized by an extremely compact and attractive design combined with superior performance, with reduced noise levels and almost zero thermal fluctuations. The system is equipped with an LCD display and a special cover for quick access to the filter compartment, which simplifies regular maintenance and service work. Allows continuous dispensing of room temperature and chilled still water as well as chilled sparkling water.

**TECHNICAL FEATURES** - Dry cooling, hydraulic WITHOUT forced ventilation - 1/8 Hp compressor - 2.2 l saturator - 2 l sparkling water carbonator - Pump: Booster 900 GPD Super High Performance 48V 8bar\* - \*or 180 W motor and vane pump on request - Nominal water production at 25°C and pressure 3.5 bar: approx. 2 l/h - Production of cold water 20 l/h with T. inlet 22° C and outlet 10° C - External pressure gauge - Electronic temperature control - Dimensions: H 39 x W 18.7 x D 35 cm - Weight: 23 kg **ELECTRONIC CONTROL** - Electronic function control unit - Backlit display with soft-touch adjustment buttons - Filter change alarm - Water leak alarm with automatic blocking in case of leakage

Item-Nr:	Description:
DPUAVK1B00M	Daphne Plain Under (Mini) Undercounter Ambient/cold/sparkling water dispenser without pre-filters

## DAPHNE - Accessories

## DAPHNE - Accessories for dispensers DAPHNE Series



Item-Nr:	Description:
DZA	DAPHNE - various accessories - prices on request
DZACOLBL	Support cabinet for water dispenser Daphne Top (Osmo, Micro, Plain)

## **DAPHNE - Spare parts**

## **DAPHNE -Spare parts for dispensers DAPHNE Series**



Item-Nr:	Description:
DZR	DAPHNE - Spare parts - prices on request

## PROFESSIONAL POINT-OF-USE WATER DISPENSERS FOR BARS AND RESTAURANTS

### GLACIER 60

**Professional water dispenser Soda "GLACIER 60" 60 l/h  
cold,plain room, sparkling water**



Item-Nr:	Description:
GL3TAFRU060ICE	Clacier 60 Professional countertop water dispenser 60 l/h - w/water faucets, cool plain / cold sparkling / room
GL3UAFRU060ICE	Clacier 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**



Item-Nr:	Description:
GL3TAFRU090ICE	Clacier 90 Professional countertop water dispenser 90 l/h - w/water faucets, cool plain / cold sparkling / room
GL3UAFRU090ICE	Clacier 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



Item-Nr:	Description:
GL3TAFRU120ICE	Clacier 120 Professional countertop water dispenser 120 l/h - w/water faucets, cool plain / cold sparkling / room
GL3UAFRU120ICE	Clacier 120 Professional cundercounter water dispenser for mechanical tap 120 l/h - w/water faucets, cool plain /

CO2 CYLINDERS

CO2-C Co2 Cylinders for Soda carbonation system



Item-Nr:	Description:
BOCO2N20	co2 Cylinder 2 Kg (new) w/ Tulip style handle
BOCO2N40	co2 Cylinder 4 Kg (new) w/ Tulip style handle

## PRESSURE REDUCER FOR CO2 CYLINDERS

### 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

## WATER DISPENSERS

### WAC MOD."ELECTRA"

### Water dispensers "ELECTRA" Series hot/cold/ambience POU



Water dispenser with streamlined shape, three buttons for dispensing hot, cold and room temperature water. Featuring special safety lock particularly suitable for children. Functions : Hot water - Cold Water - Room temperature Water - Power supply AC220V-AC240 V 50-60 Hz  
Dimensions : 104x33,5x36,5 cm Package dimensions: 108x37,6x40,5cm Net weight: 20,5 Kg Gross weight : 22,5 Kg

Hot water features - Tanks volume : 0,5/1,5 L Power consumption: 1150W/500W Capacity: 85°C -95°C 8 l/h Heating system: Bottom heating, band heating ,Immersion heating Cold water features - Refrigerant : R134a Tanks volume: 3,3L Consumption : 85W Capacity: 5°C-10°C 2 l/h

Item-Nr:	Description:
WCACH01BW	Glass holder for water cooler ELECTRA Series
WCAEL01FCPOU	Water cooler Mod Electra (Hot/cold water) Point Of Use for purified water w/clips for filtration system assembly

### WAC MOD."SPHERA"

### Water dispensers "SPHERA" Series hot/cold/ambience POU



Water dispenser with streamlined shape, three buttons for dispensing hot, cold and room temperature water. Featuring special safety lock particularly suitable for children. Functions : Hot water - Cold Water - Room temperature Water - Power supply AC220V-AC240 V 50-60 Hz  
Dimensions : 110x34x36cm Package dimensions: 116x40x42cm Net weight: 20,5 Kg Gross weight : 22,5 Kg

Large lead disèlay screen Separate holding tank Ambient 5 L Hot 1,8 L Cold 1,8 L Cooling by compressor

Item-Nr:	Description:
WCASP01FCPOU	Water cooler Mod Sphera- (Hot/cold water) Point Of Use for purified water w/clips for filtration system assembly
WCASP01FCUF	Water cooler Mod Sphera- (Hot/cold water) Point Of Use for purified water with ultrafiltration system



## FAUCETS FOR DOMESTIC AND PROFESSIONAL WATER DISPENSERS

1-WAY FAUCETS - 2-WAYS FAUCETS - SPECIAL 3-WAY FAUCET FOR SODA WATER DISPENSERS - 3-WAY MIXERS - 4-WAY MIXERS - 5-WAY MIXERS

## 1-WAY FAUCETS

### RO FAUCET - Standard

#### Faucets Standard Series



Item-Nr:	Description:
ROFT01ST00	RO standard faucet 1-way chrom-plated plastic lever

### RO FAUCET - ZT 1 SS

#### Faucets ZT SS Series 1 way - stainless steel



Item-Nr:	Description:
R1X04ZTFICCC08	1 way tap ZT in stainless steel with 1/4" quick stem
R1X04ZTHICCC08	1 way tap ZT in stainless steel with 1/4" quick stem
R1X04ZTHICCC08BL	1 way tap ZT in stainless steel with 1/4" quick stem - black
R1X04ZTHICCC08CO	1 way tap ZT in stainless steel with 1/4" quick stem - copper
R1X04ZTHICCC08GO	1 way tap ZT in stainless steel with 1/4" quick stem - gold
R1X04ZTHICCC08WH	1 way tap ZT in stainless steel with 1/4" quick stem - white
R1X04ZTHICCF08	1 way tap ZT in stainless steel with 7/16" M threaded connection
R1X05ZTHICCC08	1 way tap ZT in chrome-plated stainless steel with 1/4" quick stem
R1X05ZTHICCF08	1 way tap ZT in chrome-plated stainless steel with 7/16" M threaded connection

RO FAUCET - ZT 1 CR

Faucets ZT Series 1 way chrome-plated - crown style handle



Item-Nr:	Description:
R1C03ZTSRCC0ST	Goose type RO faucet ZT chrome-plated crown style handle

## 2-WAYS FAUCETS

### RO FAUCET - ZT 2 SS

Faucets ZT SS Series 2 ways - stainless steel



Item-Nr:	Description:
R2X04ZTHICCC08	2 way faucet ZT in stainless steel with 1/4" quick stem
R2X04ZTHICCC08BL	2 way faucet ZT in stainless steel with 1/4" quick stem - black
R2X04ZTHICCC08WH	2 way faucet ZT in stainless steel with 1/4" quick stem - white
R2X04ZTHICCF08	2 way faucet ZT in stainless steel with 7/16" M threaded connection
R2X05ZTHICCF08	2 way faucet ZT in chrome-plated stainless steel with 7/16" M threaded connection



## SPECIAL 3-WAY FAUCET FOR SODA WATER DISPENSERS

### RO FAUCET - WT2 Series Stainless steel

Special 3-way faucet in stainless steel f,dispensers  
w/room-cold-sparkling water WT2



In stainless steel SS304. Items marked with \* are not in stock (made to order only)

Coming with double connection type : quick-fit 1/4" hose connection + grooved tube 1/4"

Item-Nr:	Description:
ROFWT02S3ACR	WT2 3-way faucet for soda water dispensers stainless steel. Color: Chrome polished
ROFWT02S3BBN	WT2 3-way faucet for soda water dispensers stainless steel. Color: Neutral
ROFWT02S3CBL	WT2 3-way faucet for soda water dispensers stainless steel. Color: Black
ROFWT02S3CGO	WT2 3-way faucet for soda water dispensers stainless steel. Color: Brushed gold *
ROFWT02S3CWH	WT2 3-way faucet for soda water dispensers stainless steel. Color: White

### RO FAUCET - WT3 Series Stainless steel

Special 3-way faucet in stainless steel f,dispensers  
w/room-cold-sparkling water WT3



Coming with double connection type : quick-fit 1/4" hose connection + grooved tube 1/4"

Item-Nr:	Description:
ROFWT03S3ACR	WT3 3-way faucet for soda water dispensers stainless steel. Color: Chrome polished
ROFWT03S3BBN	WT3 3-way faucet for soda water dispensers stainless steel. Color: Neutral
ROFWT03S3CBL	WT3 3-way faucet for soda water dispensers stainless steel. Color: Black
ROFWT03S3CWH	WT3 3-way faucet for soda water dispensers stainless steel. Color: White

## RO FAUCET - KS2 Series Stainless steel

Special 3-way faucet in stainless steel f,dispensers  
w/room-cold-sparkling water KS2



Item-Nr:	Description:
ROFKS02L3ACR	KS2 Special 3-way faucet for soda water dispensers 100% chrome-plated stainless steel
ROFKS02L3BBN	KS2 Special 3-way faucet for soda water dispensers 100% stainless steel

## RO FAUCET - KS3 Series Stainless steel

Special 3-way faucet in stainless steel f,dispensers  
w/room-cold-sparkling water KS3



Item-Nr:	Description:
ROFKS03L3ACR	KS3 Special 3-way faucet for soda water dispensers 100% chrome-plated stainless steel
ROFKS03L3BBN	KS3 Special 3-way faucet for soda water dispensers 100% stainless steel

## RO FAUCET - TZ3 Series

Special 3-way faucet in brass chrome-plated f.soda  
dispensers led free NSFstandard



Item-Nr:	Description:
R3GOCEYHMCCQ08	TZ3 Special 3-way faucet for water dispenser plain-cold-sparkling with stainless steel spout QUICK conn.
R3GOCEYHMCCT08	TZ3 Special 3-way faucet for water dispenser plain-cold-sparkling with stainless steel spout

## RO FAUCET - Top 3

Special 3-way faucet for purified water (Made in Italy)



Other colors on request

Item-Nr:	Description:
ROFT03L3ACR	TOP 3 - Special 3-way faucet for purified water chrome-plated LONG Reach
ROFT03L3BCR	TOP 3 - Special 3-way faucet for purified water chrome-plated SHORT Reach

## 3-WAY MIXERS

### WT MIX - 3WT1

### 3-Way Mixers 3WT1 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

In brass (Chrome-plated or powder coated) In brass (Chrome-plated).Items marked with \* are not in stock (made to order only)

Item-Nr:	Description:
MS3WT01V2ACR	3-Way kitchen faucet Mod.3WT1 Color : chrome-plated
MS3WT01V2BBN	3-Way kitchen faucet Mod.3WT1 Color : brushed nickel *
MS3WT01V2CAV	3-Way kitchen faucet Mod.3WT1 Color : Ivory *
MS3WT01V2CBL	3-Way kitchen faucet Mod.3WT1 Color : Black matt
MS3WT01V2CWH	3-Way kitchen faucet Mod.3WT1 Color : White

### KS MIX - 3KS1

### 3-Way Mixers 3KS1 Series



**3KSA1**

Kitchen 3-way faucet (kitchen waters + third way for purified water)

In brass (Chrome-plated or powder coated)

Item-Nr:	Description:
MS3V2KS1ACR	3-Way kitchen faucet Mod.3KS1 finish: chrome-plated
MS3V2KS1BBN	3-Way kitchen faucet Mod.3KS1 finish: brushed nickel

## WT MIX - 3WT17

## 3-Way Mixers 3WT17 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

In brass (Chrome-plated or powder coated). Items marked with \* are not in stock (made to order only) rcados con \* no están en stock (solo se fabrican bajo pedido)

Item-Nr:	Description:
MS3WT17V1ACR	3-Way kitchen faucet Mod.3WT17 Color : chrome-plated
MS3WT17V1BBN	3-Way kitchen faucet Mod.3WT17 Color : brushed nickel *
MS3WT17V1CBL	3-Way kitchen faucet Mod.3WT17 Color : Black matt
MS3WT17V1CWH	3-Way kitchen faucet Mod.3WT17 Color : White *

## KS MIX - 3KS17

## 3-Way Mixers 3KS17 Series



**3KSA17**



Kitchen 3-way faucet (kitchen waters + third way for purified water)

In brass (Chrome-plated or powder coated)

Item-Nr:	Description:
MS3V2KS17ACR	3-Way kitchen faucet Mod.3KSA17 finish: chrome-plated
MS3V2KS17BN	3-Way kitchen faucet Mod.3KS17 finish: brushed nickel

## WT MIX - 3WT9

## 3-Way Mixers 3WT9 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

In brass (Chrome-plated or powder coated). Items marked with \* are not in stock (made to order only)

Item-Nr:	Description:
MS3WT09V2ACR	3-Way kitchen faucet Mod.3WT9 Color : chrome-plated
MS3WT09V2BBN	3-Way kitchen faucet Mod.3WT9 Color : brushed nickel *
MS3WT09V2CBL	3-Way kitchen faucet Mod.3WT9 Color : Black matt
MS3WT09V2CWH	3-Way kitchen faucet Mod.3WT9 Color : White

## KS MIX - 3KS9

## 3-Way Mixers 3KS9 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

In brass (Chrome-plated or powder coated)

Item-Nr:	Description:
MS3V2KS9ACR	3-Way kitchen faucet Mod.3KS9 finish: chrome-plated
MS3V2KS9BBN	3-Way kitchen faucet Mod.3KS9 finish: brushed nickel
MS3V2KS9CBL	3-Way kitchen faucet Mod.3KS9 finish: powder-coated black
MS3V2KS9CWH	3-Way kitchen faucet Mod.3KS9 finish: powder-coated white

## WT MIX - 3WT4

## 3-Way Mixers 3WT4 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

In brass (Chrome-plated or powder coated). Items marked with \* are not in stock (made to order only)

Item-Nr:	Description:
MS3WT04V2ACR	3-Way kitchen faucet Mod.3WT4 Color : chrome-plated *

## KS MIX - 3KS4

## 3-Way Mixers 3KS4 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

In brass (Chrome-plated or powder coated)

Item-Nr:	Description:
MS3V2KS4ACR	3-Way kitchen faucet Mod.3KS4 finish: chrome-plated

## WT MIX - 3WT6

## 3-Way Mixers 3WT6 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

In brass (Chrome-plated or powder coated). Items marked with \* are not in stock (made to order only)

Item-Nr:	Description:
MS3WT06V2ACR	3-Way kitchen faucet Mod.3WT6 Color : chrome-plated
MS3WT06V2CBL	3-Way kitchen faucet Mod.3WT6 Color : Black matt
MS3WT06V2CWH	3-Way kitchen faucet Mod.3WT6 Color : White

## KS MIX - 3KS6

## 3-Way Mixers 3KS6 Series



**3KSA6**

Kitchen 3-way faucet (kitchen waters + third way for purified water)

In brass (Chrome-plated or powder coated)

Item-Nr:	Description:
MS3V2KS6ACR	3-Way kitchen faucet Mod.3KS6 finish: chrome-plated



## WT MIX - 3WT14

## 3-Way Mixers 3WT14Series



Kitchen 3-way faucet (kitchen waters + third way for purified water). Version with foldable neck In brass (Chrome-plated or powder coated).Items marked with \* are not in stock (made to order only)

Item-Nr:	Description:
MS3WT14V2ACR	3-Way kitchen faucet Mod.3WT14 Color : chrome-plated *

## WT MIX - 3WT13

## 3-Way Mixers 3WT13 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water) In brass (Chrome-plated or powder coated).Items marked with \* are not in stock (made to order only)

Item-Nr:	Description:
MS3WT13V1ACR	3-Way kitchen faucet Mod.3WT13 Color : chrome-plated

## 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. In brass (Chrome-plated). Items marked with \* are not in stock (made to order only).

Item-Nr:	Description:
MS3WT39V2ACR	3-Way kitchen faucet Mod.3WT39 Color : chrome-plated
MS3WT39V2BBN	3-Way kitchen faucet Mod.3WT39 Color : brushed nickel *
MS3WT39V2CBL	3-Way kitchen faucet Mod.3WT39 Color : Black matt

## KS MIX Doccetta - 3KS46 3-Way Mixers 3KS46 Pull-out Series



Item-Nr:	Description:
MS3V2KS46ACR	3-Way kitchen faucet Mod.3KS46 PULL-OUT finish: chrome-plated

## KS MIX - 3KS11

### 3-Way Mixers 3KS11 Series



Kitchen 3-way faucet (kitchen waters + third way for purified water)

In brass (Chrome-plated or powder coated)

Item-Nr:	Description:
MS3V2KS11ACR	3-Way kitchen faucet Mod.3KS11 finish: chrome-plated

## TZ MIX - 3TZA1

### 3-Way Mixers 3TZA1 Series



Item-Nr:	Description:
M3SOCZTHICT0ST	3-Way kitchen faucet Mod.3TZA1 finish: chrome-plated

## TZ MIX - 3TZA2

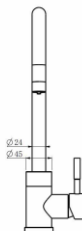
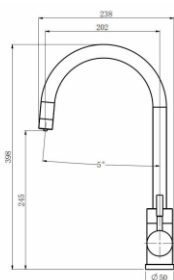
### 3-Way Mixers 3TZA2 Series



Item-Nr:	Description:
M3SOCZTHICQ0ST	3-Way kitchen faucet Mod.3TZA2 finish: chrome-plated

## TZ MIX - 3TZX1

3-Way Mixers 3TZX1 Series 100% stainless steel



Item-Nr: Description:

M3SSSZTHICT0ST 3-Way kitchen faucet Mod.3TZX1 100% Stainless steel

## EASY MIX - TOP LINE 3-vie - Made in Italy

3-Way single-lever multy-way kitchen mixers hot/cold+purified (separated)



TOP LINE 3-VIE A C.LUNGA-LONG REACH



TOP LINE 3-VIE B - C.COARTA-SHORT

3-Way mixers (Hot-Cold-Purified) with separated outlets  
In brass (Chrome-plated or powder coated)

Other colours: brushed, matt black, glossy black, glossy white, bronze, copper, gold, black granite, white granite, oats granite, old stone, terre de france.

Item-Nr: Description:

MS3V2TL1A 3-way kitchen faucet Top Line A Long Reach hot/cold + purified Finish: brushed nickel or other colours

MS3V2TL1ACR 3-way kitchen faucet Top Line A Long Reach hot/cold + purified Finish: chrome-plated

MS3V2TL1B 3-way kitchen faucet Top Line B Short Reach hot/cold + purified Finish: brushed nickel or other colours

MS3V2TL1BCR 3-way kitchen faucet Top Line B Short Reach hot/cold + purified Finish: chrome-plated

## 4-WAY MIXERS

### KS MIX - 4KS6 4-way

### 4-Way Mixers 4KS6 Series



Kitchen 4-way faucet (kitchen waters (hot / cold kitchen water + 2 ways for purified water

In brass (Chrome-plated or powder coated) Net weight : 15 Kg gross weight 17 Kg 6pcs per carton carton size : 60\*45\*32 cm Material: Quality brass, including handles

Item-Nr:	Description:
MS4V4KS6ACR	4-way kitchen faucet 4KS6 (kitchen water hot/cold + 2 ways for purified water) Finish: chrome-plated

### EASY MIX - TOP LINE 4 VIE - Made in Italy

### 4-Way single-lever kitchen mixers (hot/cold+purified water room/cold/sparkling)



4-Way mixers (Hot-Cold-Purified) with separated outlets  
In brass (Chrome-plated or powder coated)

Other colours: brushed, matt black, glossy black, glossy white, bronze, copper, gold, black granite, white granite, oats granite, old stone, terre de france.

Item-Nr:	Description:
MS4V2TL1A	4-way kitchen faucet Top Line A Long Reach hot/cold + purified Finish: brushed nickel or other colours
MS4V2TL1ACR	4-way kitchen faucet Top Line A Long Reach hot/cold + purified Finish: chrome-plated
MS4V2TL1B	4-way kitchen faucet Top Line B Short Reach hot/cold + purified Finish: brushed nickel or other colours
MS4V2TL1BCR	4-way kitchen faucet Top Line B Short Reach hot/cold + purified Finish: chrome-plated

## 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) In brass (Chrome-plated or powder coated) with separated outlets

Item-Nr:	Description:
MS5WT02V3ACR	5-Way kitchen faucet Mod.5WT2 Color : chrome-plated
MS5WT02V3BBN	5-Way kitchen faucet Mod.5WT2 Color : brushed nickel *
MS5WT02V3CBL	5-Way kitchen faucet Mod.5WT2 Color : Black matt

### KS MIX - 5KS2 5-way

### 5-Way Mixers 5KS2 Series



5 way kitchen faucet (kitchen water + 3 ways for room/cold/sparkling water) In brass (Chrome-plated or powder coated) with separated outlets

Item-Nr:	Description:
MS5V5KS2ACR	5-way kitchen faucet 5KS2 (kitchen water hot/cold + purified room/cold/sparkling) Finish: chrome-plated
MS5V5KS2BBN	5-way kitchen faucet 5KS2 (kitchen water hot/cold + purified room/cold/sparkling) Finish: brushed nickel

## WT MIX - 5WT1 5-way

## 5-Way Mixers 5WT1 Series



5 way kitchen faucet (kitchen water + 3 ways for room/cold/sparkling water) In brass (Chrome-plated or powder coated) with separated outlets

Item-Nr:	Description:
MS5WT01V3ACR	5-Way kitchen faucet Mod.5WT1 Color : chrome-plated
MS5WT01V3BBN	5-Way kitchen faucet Mod.5WT1 Color : brushed nickel *
MS5WT01V3CBL	5-Way kitchen faucet Mod.5WT1 Color : Black matt *
MS5WT01V3CWH	5-Way kitchen faucet Mod.5WT1 Color : White *

## KS MIX - 5KS1 5-way

## 5-Way Mixers 5KS1 Series



5 way kitchen faucet (kitchen water + 3 ways for room/cold/sparkling water) In brass (Chrome-plated or powder coated) with separated outlets

Item-Nr:	Description:
MS5V5KS1ACR	5-way kitchen faucet 5KS1 (kitchen water hot/cold + purified room/cold/sparkling) Finish: chrome-plated

## WT MIX - 5WT13

## 5-Way Mixers 5WT13 Series



5 way kitchen faucet (kitchen water + 3 ways for room/cold/sparkling water) with separated outlets

In brass (Chrome-plated or powder coated). Items marked with \* are not in stock (made to order only)

Item-Nr:	Description:
MS5WT13V3ACR	5-Way kitchen faucet Mod.5WT13 Color : 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) with separated outlets

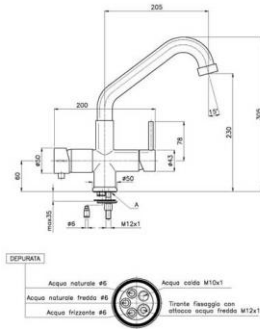
In brass (Chrome-plated)

Item-Nr:	Description:
MS5WT39V3ACR	5-Way kitchen faucet Mod.5WT39 Color : chrome-plated
MS5WT39V3BBN	5-Way kitchen faucet Mod.5WT39 Color : brushed nickel *
MS5WT39V3CBL	5-Way kitchen faucet Mod.5WT39 Color : Black matt



**EASY MIX - TOP LINE 5**  
**VIE - Made in Italy**

## 5-Way single-lever kitchen mixers (hot/cold+purified water room/cold/sparkling)



5-Way mixers (Hot-Cold-Purified) with separated outlets  
In brass (Chrome-plated or powder coated)

Other colours: brushed, matt black, glossy black, glossy white, bronze, copper, gold, black granite, white granite, oats granite, old stone, terre de france.

Item-Nr:	Description:
MS5V2TL1A	5-way kitchen faucet Top Line A Long Reach hot/cold + purified room/cold/sparkling Finish: brushed nickel or
MS5V2TL1ACR	5-way kitchen faucet Top Line A Long Reach hot/cold + purified room/cold/sparkling Finish: chrome-plated
MS5V2TL1B	5-way kitchen faucet Top Line B Short Reach hot/cold + purified room/cold/sparkling Finish: brushed nickel or
MS5V2TL1BCR	5-way kitchen faucet Top Line B Short Reach hot/cold + purified room/cold/sparkling Finish: chrome-plated
MS5V2TL1MCR	5-way kitchen faucet Top Line PULL-OUT Finish: chrome-plated



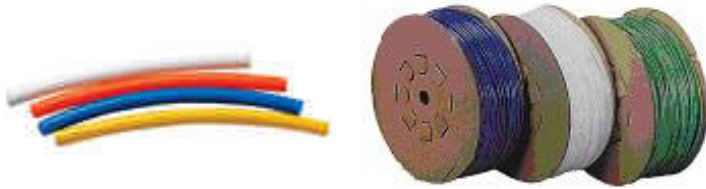
## PLASTIC FITTINGS AND PE HOSES

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) for water treatment



Plastic tube in PE (foodgrade) for water treatment TECHNICAL FEATURES: NORMS:

- high shock resistance
- low sensitivity to click effect and stress cracking
- excellent resistance to chemicals
- totally recyclable
- good electrical properties
- Excellent flexibility
- D.M. 21/03/73 e successivi aggiornamenti
- Direttiva 2002/72/CEE e successivi aggiornamenti (2004/1/CEE, 2004/19/CEE, 2005/79/CEE, 2007/19/CEE, 2008/39/CEE)
- FDA 21 CFR 177.1520
- Farmacopea Europea 3.1.3 e 3.1.4
- D.M. n°174 del 06/04/04 - USP 28
- Norme SK - Direttiva 2002/95/CEE (RoHS)

Item-Nr:	Description:
TU038PEBI	LLDPE Tube 3/8" (6,36 x 9,54 mm) foodgrade white
TU64PEAZ	LLDPE Tube 4 x 6 mm foodgrade light blue
TU64PETR	LLDPE Tube 4 x 6 mm foodgrade light neutral
TUPE01400BL	LLDPE Tube 1/4"(4,35x6,35 mm) foodgrade blue
TUPE01400WH	LLDPE Tube 1/4" (4,35x6,35 mm) foodgrade white
TUPE1012N	LLDPE Tube 1/2" (10 x 12 mm) foodgrade (for brine draw line 1/2")
TUPE1215N	LLDPE Tube 12,5 x 15 mm foodgrade neutral
TUPE42AZ	LLDPE Tube 2 x 4 mm foodgrade light blue
TUPE42B	LLDPE Tube 2 x 4 mm foodgrade blue
TUPE42BL	LLDPE Tube 2 x 4 mm foodgrade black
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
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
TUPE64BL	LLDPE Tube 4 x 6 mm foodgrade black
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

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## 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"

### 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"

## QUICK FIT PP DAF

Straight female adapter PP



Item-Nr:

Description:

PPQDAF0404W

Quick Fitting PP female adapter tube 1/4" x 1/4" female NPTF

## QUICK FIT PP TMC

T union w/central male PP



Item-Nr:

Description:

PPQTMCO404W

Quick Fitting PP Union T 1/4" with centrale male 1/4"

## QUICK FIT PP TML

T union w/asimetric male PP



Item-Nr:

Description:

PPQTML0404W

Quick Fitting PP Union T 1/4" with centrale male 1/4"

## QUICK FIT PP DT

## Union connector PP



Item-Nr:	Description:
PPQDT0404W	Quick Fitting PP Union straight connector 1/4"

## QUICK FIT PP GC

## Tube elbow union PP



Item-Nr:	Description:
PPQGC04040W	Quick Fitting PP Stem elbow 1/4"

## 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"

## QUICK FIT PP PP

## Bulkhead union PP



Item-Nr:

Description:

PPQPP0404W

Quick Fitting PP Bulhead union tube 1/4" tube 1/4"

## QUICK FIT PP PL

## Tube plug PP



Item-Nr:

Description:

PPQPL04W

Quick Fitting PP plug tube 1/4"

## QUICK FIT PP GF

## Elbow union tube-female PP



Item-Nr:

Description:

PPQGF0404W

Quick Fitting PP female 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"

## 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-0806-100M-Y	8mm LLDPE Tube - Yellow
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
PE-15115-0100M-B	M-B 15mm X 11,5mm LLDPE Tube - Blue-Coil 100m
PE-15115-0100M-E	15mm LLDPE Tube - Black
PE-15115-0100M-G	15mm X 11,5mm LLDPE Tube - Green - Coil 100m
PE-15115-0100M-R	15mm X 11,5mm LLDPE Tube - Red - Coil 100m

## 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 Unequal Two-Way Divider PI

## JG Unequal Two-Way Divider PI



Item-Nr:	Description:
PI241210S	3/8" - 5/16" Un-Equal Divider

## JG Two-Way Divider PM

## JG Two-Way Divider PM



Item-Nr:	Description:
PM2304E	4mm Equal Divider
PM2310E	10mm Equal Divider
PM2315E	15mm Equal Divider

## 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
PIUB16S	1/2" "U" Bend

## JG Tube To Hose Stem PI

## JG Tube To Hose Stem PI



Item-Nr:	Description:
PI250806S	1/4" - 3/16" Tube - Hose Stem
PI250808S	1/4" - 1/4" Tube - Hose Stem
PI250810S	1/4" - 5/16" Tube - Hose Stem
PI251006S	5/16" - 3/16" Tube - Hose Stem
PI251008S	5/16" - 1/4" Tube - Hose Stem
PI251012S	5/16" - 3/8" Tube - Hose Stem
PI251208S	3/8" - 1/4" Tube - Hose Stem
PI251210S	3/8" - 5/16" Tube - Hose Stem
PI251212S	3/8" - 3/8" Tube - Hose Stem
PI251216S	3/8" - 1/2" Tube - Hose Stem
PI251612S	1/2" - 3/8" Tube - Hose Stem
PI251616S	1/2" - 1/2" Tube - Hose Stem
PM250808S	5/16" - 5/16" Tube - Hose Stem

## JG Tube To Hose Stem PM JG Tube To Hose Stem PM



Item-Nr:	Description:
PM250604E	6mm - 4mm Tube - Hose Stem
PM250806E	8mm - 6mm Tube - Hose Stem
PM251008E	10mm - 8mm Tube - Hose Stem

## JG Tube To Hose Elbow PI JG Tube To Hose Elbow PI



Item-Nr:	Description:
PI290808S	1/4" - 1/4" Tube - Hose Elbow
PI290810S	1/4" - 5/16" Tube - Hose Elbow
PI291008S	5/16" - 1/4" Tube - Hose Elbow
PI291208S	3/8" - 1/4" Tube - Hose Elbow
PI291210S	3/8" - 5/16" Tube - Hose Elbow
PM290808S	5/16" - 5/16" Tube - Hose Elbow

## JG Tube Insert PM

## JG Tube Insert PM



Item-Nr:	Description:
TSM1209S	12mm Od - 9mm Id Tube Support
TSM15N	15mm Tube Support
TSM15N-L	15mm Tube Support
TSM22N	22mm Tube Support
TSM28N	28mm Tube Support

## JG Tube Insert PI

## JG Tube Insert PI



Item-Nr:	Description:
TSI250S	3/8" - 1/4" Tube Support
TSI312S	5/16" I.D. Tube Support
TSI375S	1/2" - 3/8" Tube Support

## JG Three Way Divider PI

## JG Three Way Divider PI



Item-Nr:	Description:
PI491212S-R	3/8" Three-Way Divider - Red Collet
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
CI3210U7S	5/16" x 7/16 Uns Tap Adaptor
CI3212U7S	3/8" 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:
PI010821S	1/4" X 1/8 Nptf Str. Adaptor
PI010822S	1/4" X 1/4 Nptf Str. Adaptor
PI010823S	1/4" X 3/8 Nptf Str. Adaptor
PI011221S	3/8" X 1/8 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
PI012026S	5/8" X 3/4 NPT Str. Adaptor
PM010421S	5/32" x 1/8 Nptf Str. Adaptor
PM010422S	5/32" x 1/4 Nptf Str. Adaptor
PM010821S	5/16" x 1/8 Nptf Str. Adaptor
PM010822S	5/16" x 1/4 Nptf Str. Adaptor
PM010823S	5/16" x 3/8 Nptf Str. Adaptor

## JG Straight Adaptor MFL PI JG Straight Adaptor MFL PI



Item-Nr:	Description:
PI0112C5S	3/8" X 1/2-16MFL Str. Adaptor
PI0112F4S	3/8" X 1/4 Mfl Str. Adaptor
PI0112F6S	3/8" X 3/8 Mfl Str. Adaptor
PI0112F8S	3/8" X 1/2 Mfl Str. Adaptor
PI0116F8S	1/2" X 1/2 Mfl Str. Adaptor

PM0108C5S

5/16" x 1/2-16MFL Str. Adaptor

## JG Straight Adaptor BSPT JG Straight Adaptor BSPT PM 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 JG Straight Adaptor BSPT PI PI



Item-Nr:	Description:
PI010601S	3/16" x 1/8 BSPT Str. Adaptor
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
PI011203S	3/8" X 3/8 BSPT Str. Adaptor
PI011603S	1/2" X 3/8 BSPT Str. Adaptor

PI011604S	1/2" X 1/2 BSPT Str. Adaptor
PM010402S	5/32" x 1/4 BSPT Str. Adaptor
PM010801S	5/16" x 1/8 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
PM010412E	4mm X 1/4 BSP Str. Adaptor
PM010511E	5mm 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:
PI050621S	3/16" x 1/8 Nptf Stem Adaptor
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:
PI050601S	3/16" x 1/8 BSPT Stem Adaptor
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
PI482024S	5/8" X 1/2 NPT 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
PM0308E-X	8mm Equal Elbow Connector (Bulk Pack)
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:
PM1904R	4mm Collet Cover - Red
PM1905S	5mm Copricolletto - Grigio
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
PM1910S	10mm Collet Cover - Grey
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
PM1918B	18mm Collet Cover - Blue
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
PI1908G	1/4" Collet Cover - Green
PI1908R	1/4" Collet Cover - Red
PI1908Y	1/4" Collet Cover - Yellow
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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Consegnee: \_\_\_\_\_

Order's date \_\_\_\_\_

Data richiesta: \_\_\_\_\_

ID Customer: \_\_\_\_\_

Item number:	Description:	Unit price:	Quantity:	Amount

Subtotal:

Transport (estimated):

Total:

Courier (choose one):

- ☐ Speedy Express  
☐ United Package  
☐ Federal Shipping





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