

CONTROL VALVES FOR SOFTENING AND FILTRATION

CLACK VALVES - EZ 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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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 ¾" - 1.25" Male BSPT ¾" - 1.5" Sweat ¾" - 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: ¾" Male NPT Standard 1" Male NPT Optional - Brine Line Connection ⅜" or ½" O.D.Poly Tube Compression
Mounting Base Options 2½" - 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 ¾" - 1.25" Male BSPT ¾" - 1.5" Sweat ¾" - 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: ¾" Male NPT Standard 1" Male NPT Optional - Brine Line Connection ⅜" or ½" O.D.Poly Tube Compression
Mounting Base Options 2½" - 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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

V1.5CIFF Control valve Clack WS1.5CI Filter electronic downflow w/accessories

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

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



I• 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 m3/h) (60 gpm), backwash 163 lpm (9.8 m3/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

IInlet/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 m3/h) (60 gpm) - Backwash @ 1.7 bar/25 psi drop : 163 lpm (9.8 m3/h) (43 gpm)
OPERATING PRESSURES
Minimum/Maximum : 1.4 - 8.6 bar (20 - 125 psi)
OPERATING TEMPERATURES
Minimum/Maximum : 4º - 43º C (40º - 110º 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:
V1.5PCF	Control valve Clack WS1.5CI plastic FILTER electronic meter downflow w/accessories
V1.5PCI	Control valve Clack WS1.5CI plastic 1600 electronic meter downflow no accessories
V1.5PCIAM	Control valve Clack WS1.5CI plastic 1600 electronic meter downflow w/accessories
V1.5PCIBM	Control valve Clack WS1.5CI plastic 1700 electronic meter downflow w/accessories

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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. Brevet6 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 Operat ing Pressures Minimum/Maximum 1.4 - 8.6 bar (20 psi - 125 psi) Operat ing Temperatures Minimum/Maximum 4º - 43º C (40º - 110º F)
Meter Specificat ions Accuracy ± 5% Flow Rate Range 5.7 - 568 lpm (1.5 - 150 gpm) Volume Range .0.02 - 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 Specificat ions 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 Operat ion 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 w/accessorie
V2CIQCBMTM	Control valve Clack WS2CI QC version 1700 in/out port 2" TOP MOUNT electronic meter downflow w/accessorie
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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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 m3/h), Backwash flow rate 220 gpm (833 lpm) (50.0 m3/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 m3/h)
Backwash @ 25 psi/1.7 bar drop..... 220 gpm (833 lpm) (50.0 m3/h)
Cv Service..... 64.6
Cv Backwash..... 44.0
Operat ing Pressures
Minimum/Maximum..... 20 - 125 psi (1.4 - 8.6 bar)
Operat ing Temperat ures
Minimum/Maximum..... 40º - 110º 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 Specificat ionsAC Adapter
Supply Voltage.....120V AC..... 230V AC
Supply Frequency.....60 Hz..... 50Hz
Output Voltage.....20V AC..... 20V AC
Output Current.....750 mA..... 750mA
Tank Applicat ions
Water Softener.....18" - 63" Diameter with standard injectors, to 96" with Brine Pump
Water Filter (2)..... 18" - 63" Diameter
Cycles of Operat ion
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

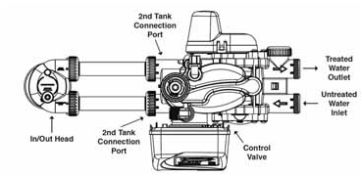
Item-Nr:	Description:
V3HHFTTM	Control valve Clack WS3 FILTER in/out port 3" TOP MOUNT electronic time control downflow w/accessories
V3HHNFTSM	Control valve Clack WS3 FILTER in/out port 3" SIDE MOUNT electronic time control downflow w/accessories
V3HHNMSM	Control valve Clack WS3 in/out port 3" SIDE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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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 Motororized 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 ½"- (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter ½" (Version 1700)
- Elbow fitting da 3/8" (Version 1600)
- Inlet/outlet fitting 1" Male BSP - V3007-06

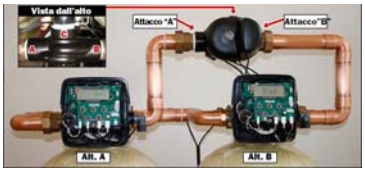
Item-Nr:	Description:
V4052-01	V4052-01 Adapter for tanks 12"-21" Clack WS1TT Twin
VTT1CIDXM03K16	Clack WS1TT Twin Alternated valve 1" - Air Check 3/8"
VTT1CIDXM03K17	Clack WS1TT Twin Alternated valve 1" - Air Check 1/2"
VTT1CIDXM03K172	Clack WS1TT Twin Alternated valve 1" - 1700 Air Check 1/2"

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

VA-CL MAV WS1 -1" in/out

Motorized Alternated System Clack valves WS1Cl 1" in/out









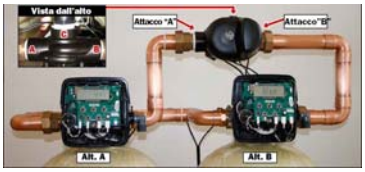
MAV Motororized Alternated System (Duplex) coming with 2 x control valves WS1CI 1" with all accessories and 1 x 3-way MAV Motorized Alternated Valve
MAV V3069MM includes elbow vertical fittings V3191-01
MAV V3069FF includes inlet/outlet fitting 1" V3007-06 Accessories included:
- Upper basket
- Lower 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 ½"- (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter ½" (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" in/out

Motorized Alternated System Clack valves WS1.25 1 1/4" in/out









MAV Motororized 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 ½"- (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter ½" (Version 1700)
- Elbow fitting da 3/8" (Version 1600)
- Inlet/outlet fitting 1" Male BSP - V3007-06

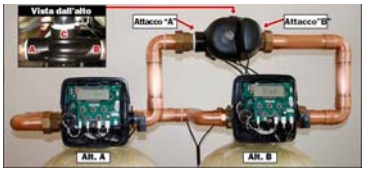
Item-Nr:	Description:
V1.25CIMAV--03A	Motorised Alternating System WS1.25CI 1600 w/two control valves and MAV 3-way motorised valve
V1.25CIMAV--03B	Motorised Alternating System WS1.25CI 1600 w/two control valves and MAV 3-way motorised valve

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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

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







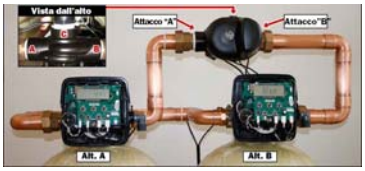
MAV Motororized Alternated System (Duplex) coming with 2 x control valves WS1.5CI 1 1/2" with all accessories and 1 x 3-way MAV Motorized Alternated Valve in brass Part No. V3071BSPT for WS1.5CI valve
Accessories included:
- Upper basket -Ø 50 mm
- Lower basket Ø 50 x 1810 mm
- Adapter V3186EU
- Drain 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 ½"- (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter ½" (Version 1700)
- Elbow fitting da 3/8" (Version 1600)
- Meter assy 1½ 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 WS2CI - 2" in/out

Motorized Alternated System Clack valves 2" WS2CI







MAV Motororized 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 ½"- (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter ½" (Version 1700)
- Elbow fitting da 3/8" (Version 1600)
- Meter assy 1½ 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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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





MAV Motororized 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 ½"- (Version 1700)
- Straight drain fitting 1" - V3008-02 (Version 1700)
- Upper air checkadapter ½" (Version 1700)
- Elbow fitting da 3/8" (Version 1600)
- Meter assy 1½ in brass with cable 4 m - V3040BSPT-15

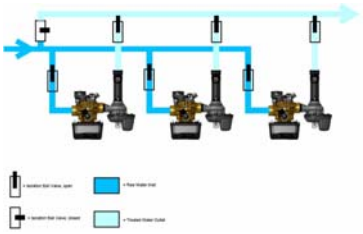
Item-Nr:	Description:
V3CIMAV--A	Motorised Alternating System WS3 w/two control valves WS3 Toup Mount version + MAV 3-way motorised valve
V3CIMAV--B	Motorised Alternating System WS3 w/two control valves WS3 Side Mount version + MAV 3-way motorised valve

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

CLACK SYSTEM CONTROLLER

CLACK SYSTEM CONTROLLER - multi-valve control unit






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..... 40º - 110º 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)

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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
V30838SPT	MAV WS3 3" Clack Motorized Alternating Valve Female x Female in brass
V3340	WS1 Interconnect Cable (Series Regeneration)

CL-NHWB

CLACK NHWB 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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

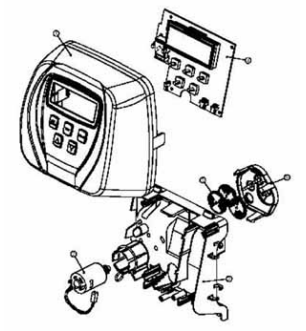
CLACK-Board Spare parts WS1CI -WS1.5CI

CLACK-Board Spare parts WS1CI -WS1.5CI



Disegno No.	Codice.	Descrizione	Quantità
1	V3175CI-01	ASS. Frontale WS1CI	1
2	V3107-01	Motore WS1	1
3	V3106-01	Mensola Ingranaggi e Clip a Molla WS1	1
4	V3108CI	Scheda PC WS1CI	1
5	V3110	Ingranaggio 12x36 WS1	3
6	V3109	Coperchio Ingranaggio WS1	1
	V3002CI	ASS. Ingranaggio WS1CI	*

* I componenti con No. Disegno da 2 a 6 possono essere acquistati come assieme completo, codice V3002CI.

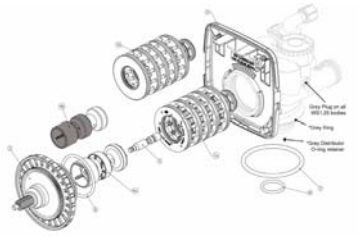


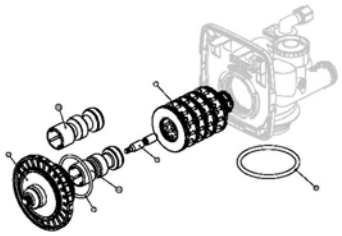
CLACK-Board Spare parts WS1CI -WS1.5CI

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 pisotn,Upflow piston,Regenerant piston, Drive stack assy





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

*V3011 non è contrassegnato con DN e V3011-01 e contrassegnato con UP.
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-V3001-01	WS1 piston upflow asy
5-V3174	WS1regenerant piston asy
6-V3180	WS1 O-ring 337

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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



CLACK-Board Spare parts WS1CI -WS1.5CI

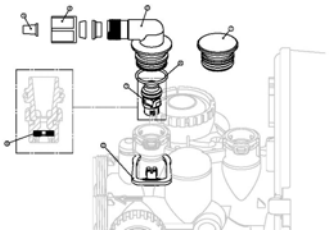
Item-Nr:	Description:
1-V3176	Injector cap Clack WS1
2-V3152	O-ring 135 injector cap
3-V3177	injector screen WS1
5-V3010-1A	WS1 injector assy black 6"
5-V3010-1B	WS1 injector assy brown (7")
5-V3010-1C	WS1 injector assy violet (8")
5-V3010-1D	WS1 injector assy red (9")
5-V3010-1E	WS1 injector assy white (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")

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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 WSC retainer asy
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”

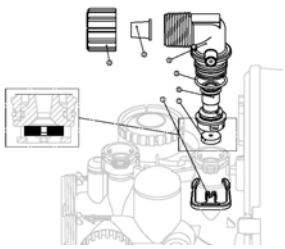
CLACK-Drain Line WS1CI - WS1.5CI

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



Disegno No.	Codice	Descrizione	Quantità
1	V3175CI-01	ASS. Frontale WS1CI	1
2	V3107-01	Motore WS1	1
3	V3106-01	Mensola Ingranaggi e Clip a Molla WS1	1
4	V3108CI	Scheda PCB WS1CI	1
5	V3110	Ingranaggio 12x36 WS1	3
6	V3109	Coperchio Ingranaggio WS1	1
	V3002CI	ASS. Ingranaggio WS1CI	*

* I componenti con No. Disegno da 2 a 6 possono essere acquistati come assieme completo, codice V3002CI.



CLACK-Board Spare parts WS1CI -WS1.5CI

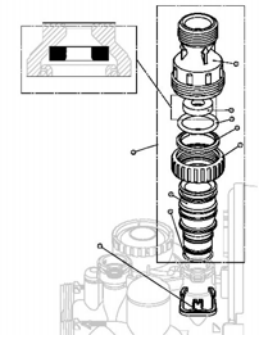
Item-Nr:	Description:
1-H4615	WS1 elbow locking clip
2-PKP10TS8-BULK	WS1Polytube insert 19,1 mm (3/4")
3-V3192	WS1Drain elbow 19,1 mm (3/4")
4-V3158-01	WS1 Drain elbow 19,1 mm (3/4") male assy

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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 1¼" straight w/out silencer
V3080BSPT	WS2-WS3 Drain Fitting 1½" 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 (1") WS1CI -WS1.25CIf

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



CLACK-Board Spare parts WS1CI -WS1.5CI

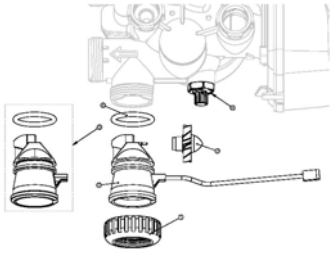
Item-Nr:	Description:
1-H4615-	WS1 Elbow locking clip
2-3008-02	WS1 Drain FTG 25,4 mm (1") straight
3-3166*	WS1 Drain FTG 25,4 mm (1") straight
4-3167*	WS1 Drain FTG adapter 25,4 mm (1") straight
5-3163*	WS1 O-Ring 019
6-3150*	WS1 Split ring
7-3151*	WS1 Nut 25,4 mm (1") QC
8-3105*	WS1 O-Ring 215
9-3190-090	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")

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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



Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

EZ SERIES VALVES

VA-EZ2

EZ2 Series Electronical control valves downflow





EZ2 series Electromechanical control valve,Noryl plastic valve body,1" or 3/4" inlet/outlet,downlfow 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:
VHEZ2SMB00	Control valve EZ2 for softening electronical meter downflow w/external mixing valve and accessories

VA-TZ2

TZ2 Series Electronical control valves upflow




TZ2 series Electromechanical control valve,Noryl plastic valve body,1" or 3/4" inlet/outlet,uplfow 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:
VHTZ2SMB00	Control valve TZ2 1600 electronical meter upflow w/external mixing valve and accessories

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

VA-EZ1

EZ1 Series electronical control valves downflow







EZ1 series Electromechanical control valve,Noryl plastic valve body,1" or 3/4" inlet/outlet,downlfow 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:
VHEZ1SMA00	Control valve EZ1 1600 electronic meter downflow w/built-in mixing valve and accessories
VHEZ1SMB00	Control valve EZ1 1600 electronical meter downflow w/external mixing valve and accessories
VHEZFTB00	Control valve EZ1 1600 electronical time downflow w/ accessories

VA-EZ1 Acc

Accessories and spare parts for EZ1-EZ2-TZ2 Series valves









Item-Nr:	Description:
EZ1AC01MIXBYPN	EZ1 external mixing valve in plastic 3/4" - 1" NPT w/bypass
EZ1AC-BLFC	EZ1 Brine line flow control,0.125,0.25,0.5,1.0 option
EZ1AC-BOARD	EZ1 spare electronic board
EZ1ACBYPN	EZ1 Plastic bypass 3/4" - 1"
EZ1AC-dlfc	EZ1 Drain line flow control,1.5,2.0,2.4,3.0,3.5,4.0,5.0,7.0 option
EZ1AC-FLOWM	EZ1 flow meter assy
EZ1AC-FLOWM40	EZ1 extended flow meter 40000 l
EZ1AC-FLOWM8	EZ1 flow meter 8000 l
EZ1AC-INJKIT	EZ1 - Injector kit
EZ1AC-PA	EZ1 piston assy
EZ1ACPSAL	EZ1 piston assy
EZ1AC-SPACS	EZ1 4 spacers and 5 seals kit
EZ1AC-THNOZ	EZ1 Throat & Nozzle #00,#0,#1,#2,#3,#4 option
EZ1AC-YOKEP20B	EZ1 3/4" plastic BSP Yoke

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

EZ1AC-YOKEP20N	EZ1 3/4" plastic NPT Yoke
EZ1AC-YOKEP25B	EZ1 1" plastic BSP Yoke
GENCLINEZCOM	Electrolysis Chlorine generator (resin disinfection) for EZ2/TZ2 valves



Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

CHLORINE GENERATORS FOR WATER SOFTENERS

PRODUTTORI DI CLORO — Chlorine generators for resin desinfeciton





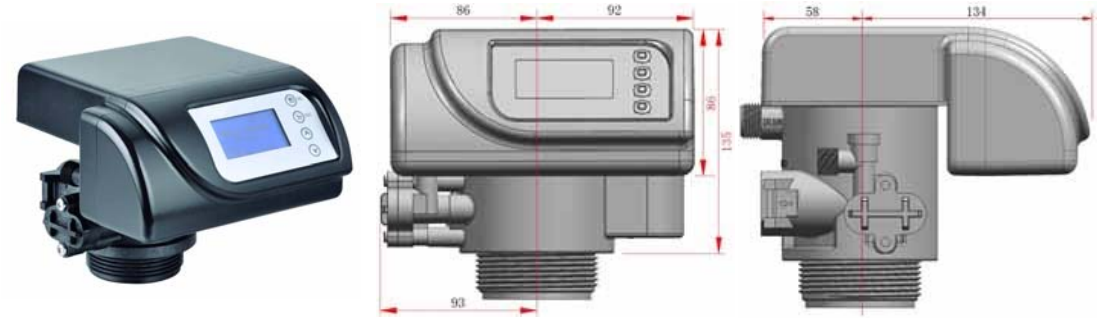
Item-Nr:	Description:	
CVCLOMICR	Chlorine producer MG (Universal) for resin desinfection	
GENCLINCLACOM	Internal chlorine generator for Clack valves - resin desinfection	
GENCLINEZ2COM2	Internal chlorine generator for EZ2/TZ2 valves - resin desinfection	
RACCTF020FPVC	3/8 "F threaded PVC fitting F electrode holder	
RACCTF020FPVCJ10	3/8 "F threaded PVC fitting F electrode holder with jaco connectors	

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

KS SERIES VALVES

VA-KSD2

KSD2 Series electronic control valves downflow

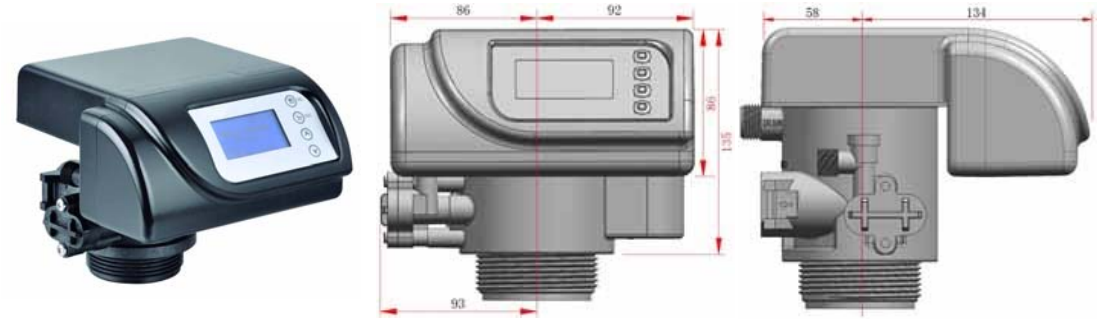


KSD2 series Electromechanical control valve ,Noryl plastic valve body,1" or 3/4" inlet/outlet,down flow,2-1/2" mount,Service flow rate 0.15m3/H~3.5m3/H (Continuous supply,0.35 Mpa Inlet), Suitable for 7" to 16" pressure tanks (Dia.),Carton pack,6 meter valves per master CTN,or 8 timer valves per master CTN,Carton size is 0.58*0.54*0.26 (m)

Item-Nr:	Description:
VHKSD2	Control valve KSD2 for softening electronic metered downflow with bypass and external mixing valve + accessori

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 0.15m3/H~3.5m3/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)

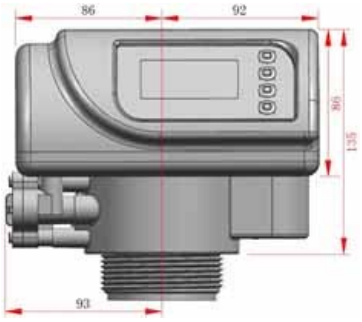
Item-Nr:	Description:
VHKSE2	Control valve KSE2 for softening electronic Upflow metered "intelligent system" with bypass and external mixing

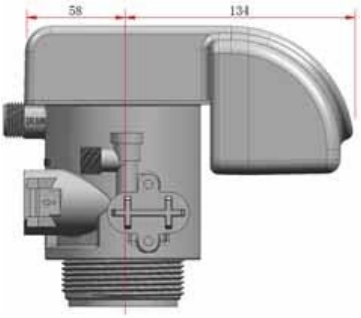
Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

VA-KSDU2

KSDU2 Series electronic control valves upflow/downflow at choice







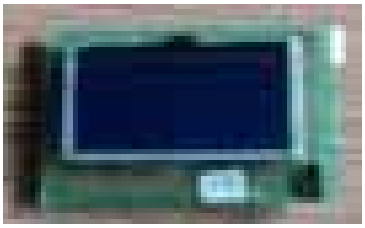
KSDU2 series electromechanical control valve,Noryl plastic valve body,1" or 3/4" inlet/outlet, Downflow or Upflow at choice,2-1/2" mount,Service flow rate 0.15m3/H~3.5m3/H (Continuous supply,0.35 Mpa Inlet), Suitable for 7" to 16" pressure tanks (Dia.),Carton pack,6 meter valves per master CTN,or 8 timer valves per master CTN,Carton size is 0.58*0.54*0.26 (m)

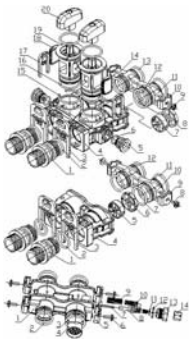
Item-Nr:	Description:
VHKSDU2	Control valve KSDU2 Upflow/Downflow at choice electronic metered "intelligent system" with bypass and externa

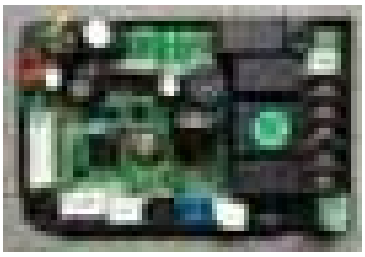
VA-KS PARTS

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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

VA-CSL VS2D - ¾" in/out

CSL VS2D Upflow Meter Controlled Valve ¾" 3 m3/h



VS2DUpflow Meter Controlled Valve Display : LCD
Installation Type : Top Mount
Type of control: volume or time controlled at choice
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
Inlet/Outlet 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 ¾" (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
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
Inlet/Outlet 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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

VA-CSL TS10L-TF10L - 1,5" in/out

CSL TS10L-TF10L Upflow Time Controlled Valve 1,5" 12 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 SizeΦ 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 : 1-49°
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
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
Inlet/Outlet 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:
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 m3

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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
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
Inlet/Outlet 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 1

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
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
Inlet/Outlet 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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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
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
Inlet/Outlet 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 - 2" in/out

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
Size 2"
Drain Size: G 2" External fittings

Brine Port size : ½" - Special Brine Valve included
Riser Tube SizeΦ Ø 50 mm Base: 4"-8UN
Inlet/Outlet 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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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
Size 2" Drain Size: G 2" External fittings

Inlet/Outlet

Brine Port size : ½" - 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/l

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
DN65 or DN80 (2,5"/3") Drain size G2" External Thread Joint

Inlet/Outlet

Brine Port size : ½" - 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 w/access.4
V065CLVS40DUS	Control valve CSL VS40SM DN65/DN80 (Softener) side mount meter/time controlled upflow LCD screen

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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

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





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

Inlet/Outlet

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 4

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
DN80 (3") Flanged
Drain size G 2.5"

Inlet/Outlet

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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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
Size 1" External fittings
Drain Size: G 1/2"

Inlet/Outlet

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
Size 1,5"
Drain Size: G 1/2"

Inlet/Outlet

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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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
Size 1,5"
Drain Size: G 1/2"

Inlet/Outlet

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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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)

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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"
FeaturesBenefits
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
FeaturesBenefits 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)

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

AC FLECK

Options, accessories and spare parts for FLECK valves (prices on request)



Item-Nr:	Description:
VFZAC	Parts and Accessories for Fleck valves (prices on request)

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

MANUAL HEADS

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

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) - 1½" port for tanks 16" to 36" L type

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

MANUAL HEAD 3

3-way manual heads









Item-Nr:	Description:
MV03PP034ST	Manual head (3-way) - 3/4" port for softening/filtration
MV03PP050VL	Manual head (3-way) - 2" port for softening/filtration
MV03PP100LV	Manual head (3-way) - 1" port w/handle for softening/filtration

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

PLASTIC DIAPHRAGM VALVES

CSY Plastic Diaphragm valves

Hydropneumatic diaphragm valves in plastic





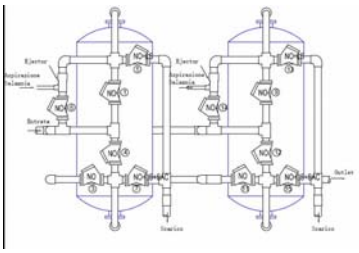

Technical Advantages
Our diaphragm valves utilize a dual-chamber design to control internal flow. This design makes the control more flexible, reliable and durable, and minimizes switching defects that a single-chamber valve may have.
The valve body and cap are molded with glass fiber reinforced thermoplastic that gives extreme strength, long service life and excellent corrosion resistance. Our diaphragm valves are well suited to demineralization processes.

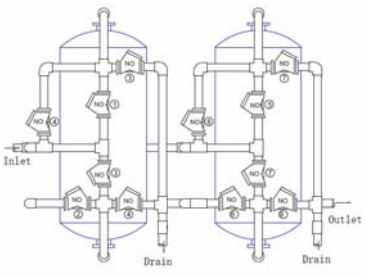
A special molding process is used to give the reinforced rubber diaphragm extra strength, abrasion resistance and long service life.
The Y-pattern design minimizes pressure loss and increases flow, which results in energy efficient valves.Working Pressure 1 - 8 bar (15-115 psi) Working Temperature 4 - 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
CSY720014000	Diaphragm valve in Noryl - Normally Open - inlet/outlet connection 3" 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)

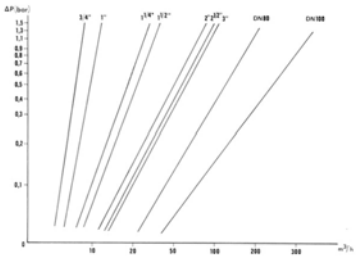
Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

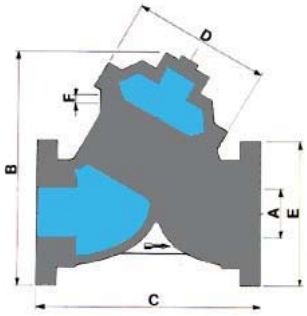
HYDROPNEUMATIC VALVES IN CAST IRON

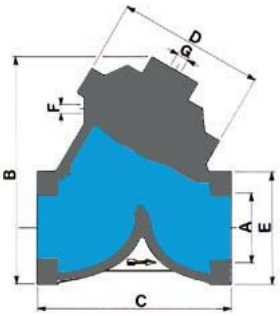
IPV-Diaphragm valves

Diaphragm valves in cast iron









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

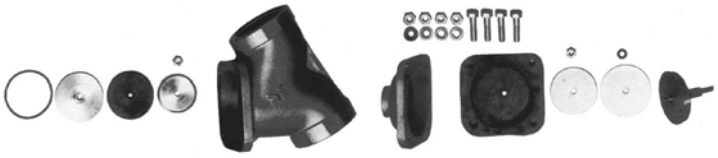
Item-Nr:	Description:
DVA1A01	Diaphragm valve in cast iron NO 3/8"
DVA1A02	Diaphragm valve in cast iron NO 1/2"
DVA1C01	Diaphragm valve in cast iron NC 3/8"
DVA1C02	Diaphragm valve in cast iron NC ½"
DVA2A01	Diaphragm valve in cast iron NO 3/4"
DVA2A02	Diaphragm valve in cast iron NO 1"
DVA2C01	Diaphragm valve in cast iron NC ¾"
DVA2C02	Diaphragm valve in cast iron NC 1"
DVA3A01	Diaphragm valve in cast iron NO 1 1/4"
DVA3A02	Diaphragm valve in cast iron NO 1 1/2"
DVA3C01	Diaphragm valve in cast iron NC 1 1/4"
DVA3C02	Diaphragm valve in cast iron NC 1 1/2"
DVA4A02	Diaphragm valve in cast iron NO 2 1/2"
DVA4A03	Diaphragm valve in cast iron NO 3"
DVA4C02	Diaphragm valve in cast iron NC 2 1/2"
DVA4C03	Diaphragm valve in cast iron NC 3"
DVA7A01	Diaphragm valve in cast iron NO 2"
DVA7C01	Diaphragm valve in cast iron NC 2"
MVA5A00	Diaphragm valve in cast iron NO DN80 flanged
MVA5C00	Diaphragm valve in cast iron NC DN80 flanged
MVA6A00	Diaphragm valve in cast iron NO DN100 flanged
MVA6C00	Diaphragm valve in cast iron NC DN100 flanged

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

IPV-Accessori Diaphragm valves

Accessories and spare parts for diaphragm valves





Water softners with two resin tanks and built-in meter suitable for use wherever a continuos 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 Buna DN 80
MEB6	Diaphragm in Buna DN 100
MEB7	Diaphragm in Buna 2"
ORB1	Oil-safe gasket in Buna (no diaphragm) 3/8"-1/2"
ORB2	Oil-safe gasket in Buma (no diaphragm) 3/4"-1"
ORB3	Oil-safe gasket in Buma (no diaphragm) 1 1/4"-1 1/2"
ORB4	Oil-safe gasket in Buma (no diaphragm) 2 1/2"-3" filettata
ORB5	Oil-safe gasket in Buma (no diaphragm) DN 80
ORB7	Oil-safe gasket in Buma (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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com

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 AISI304
OT6NAT304N	Shutter diaph.valve DN100 NO in brass -shaft in AISI304
OT6NAT316N	Shutter diaph.valve DN100 NO in brass -shaft in AISI304
OT6NCT304N	Shutter diaph.valve DN100 NC in brass -shaft in AISI304
OT6NCT316N	Shutter diaph.valve DN100 NC in brass -shaft in AISI304
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

Celtis Water Srl SP33 Km 0,230 Loc.Bettolino Nord, I-25030 Brandico (Bs) -Italy-Tel +39 030 2056433 Fax +39 030 2053465 e-mail: info@celtis-water.com