

CLACK® CE CONTROL VAVLE

The multilingual Clack-CE control valve, was collaboratively developed by Clack® and Ecosoft engineers to work seamlessly with the ECOMIX® filtering material. It features a direct-flow regeneration type and backwash function.

Regeneration can be delayed, instant, or both.



KEY FEATURES

- Multilingual menu (EN, DE, FR, UA)
- User-friendly and auto settings. Pre-set programs for ECOMIX® softeners units and softeners
- Text-based settings menu
- Screen backlight
- 4 available hardness units (ppm CaCO₃, °dH, °fH, mg-eq/l)
- Programmable 9 regeneration cycles
- Available configuration with mixing options
- Versions with downflow and up-flow regeneration



CLACK® CE CONTROL VAVLE

| Code | Description | Flow rate, m ³ /h | | Connection |
|----------------------|--|-----------------------------------|-------------------------------------|------------|
| | | Service, (pressure drop 1 bar) | Backwash (pressure drop 1.7 bar) | |
| V1CEDME-03* | WS1CE Valve DN M I-E | 6.12 | 6.12 | 1" |
| V1CEUME-M03* | WS1CE Valve UP M I-B with mixing valve | 6.12 | 6.12 | 1" |
| V1CEDME-M03* | WS1CE Valve DN M I-E with mixing valve | 6.12 | 6.12 | 1" |
| VTT1CEDME-03* | TT1CE Valve DN M I-E | 6.36 | 3.4 | 1" |
| V125CEDME-08* | WS125CE DNMI-E NOTRN | 7.7 | 7.3 | 1.25" |
| V15CEDTH-05 | WS15CE DN T I-H NOTR | 15.9 | 11.8 | 1.5" |
| V2CEDTE-05 | WS2CE DNT I-E NOTRN | 26.1 | 18.2 | 2" |

* Available options with different injectors

WATER SPECIALIST CE 1" CONTROL SPECIFICATIONS

| | | |
|---|--|--------------------------------------|
| Inlet/Outlet Fittings | | ¾" to 1.5" NPS |
| Cycles | | up to 9 |
| Valve Material | | Fiber Reinforced Composite |
| Regeneration | | Downflow/Upflow |
| FLOW RATES | | |
| Service @ 15 psi/1 bar drop (includes bypass and meter) | | 102 lpm (6.12 m³/h) (27 gpm) |
| Backwash @ 25 psi/1.7 bar drop (includes bypass) | | 102 lpm (6.12 m³/h) (27 gpm) |
| OPERATING PRESSURES | | |
| Minimum/Maximum | | 20 – 125 psi (1.4 – 8.6 bar) |
| OPERATING TEMPERATURES | | |
| Minimum/Maximum | | 40 – 110 °F (4 – 43 °C) |
| METER | | |
| Accuracy | | ± 5% |
| Flow Rate Range | | 0.95 – 102 lpm |
| Volume Range | | 0.02 – 5,700 m³ |
| Totalizer | | 1 – 99,999 m³ |
| DIMENSIONS & WEIGHT | | |
| Distributor Pilot | | 1.050" OD Pipe (¾" NPS) |
| Drain Line | | ¾" or 1" NPT |
| Brine Line | | 3/8" or ½" OD Poly Tube |
| Mounting Base | | 2 ½"- 8 NPSM |
| Height From Top Of Tank | | 7 3/8" (187 mm) |
| Weight | | 4.5 lbs (2 kg) |
| ELECTRICAL SPECIFICATIONS | | POWER SUPPLY |
| | | U.S. International |
| Supply Voltage | | 100 VAC to 120 VAC200 VAC to 240 VAC |
| Supply Frequency | | 50/60 Hz |
| Output Voltage | | 15 VDC |
| Output Current | | 500 mA |
| TANK APPLICATIONS | | |
| Water Softener | | 6" – 21" Diameter |
| Water Filter (1) | | 6" – 21" 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 – 120 minutes |
| Rinse | | 1 – 120 minutes |
| Pause (service) | | 1 – 480 minutes |
| Brine (co-current) | | 1 – 180 minutes |
| Refill (softener) | | 0.05 – 90.00 Kg |
| Refill (filter) | | 0.2 – 76.00 Liters |

Options: Backwash Filter, Bypass, Weather Cover.

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines.

WATER SPECIALIST 1" CE TWIN ALTERNATING CONTROL SPECIFICATIONS

| | |
|---|---------------------------------------|
| Inlet/Outlet Fittings | ¾" to 1.5" NPS |
| Cycles | up to 9 |
| Valve Material | Fiber Reinforced Composite |
| Regeneration | Downflow/Upflow |
| FLOW RATES | |
| Service @ 15 psi/1 bar drop (includes bypass and meter) | 106 lpm (6.36 m³/h) (28 gpm) |
| Backwash @ 25 psi/1.7 bar drop (includes bypass) | 57 lpm (3.40 m³/h) (15 gpm) |
| Cv Service | 7.28 |
| Cv Backwash | 2.96 |
| OPERATING PRESSURES | |
| Minimum/Maximum | 20 – 125 psi (1.4 – 8.6 bar) |
| OPERATING TEMPERATURES | |
| Minimum/Maximum | 40 – 110 °F (4 – 43 °C) |
| METER | |
| Accuracy | ± 5% |
| Flow Rate Range | 0.95 – 102 lpm |
| Volume Range | 0.02 – 5,700 m³ |
| Totalizer | 1 – 99,999 m³ |
| DIMENSIONS & WEIGHT | |
| Distributor Pilot | 1.050" OD Pipe (¾" NPS) |
| Drain Line | ¾" or 1" NPT |
| Brine Line | 3/8" or ½" OD Poly Tube Compression |
| Mounting Base | 2 ½"- 8 NPSM |
| Height From Top Of Tank | 7 3/8" (187 mm) |
| Weight | 16 lbs (7.25 kg) |
| ELECTRICAL SPECIFICATIONS | |
| POWER SUPPLY | |
| U.S. International | |
| Supply Voltage | 100 VAC to 120 VAC 200 VAC to 240 VAC |
| Supply Frequency | 50/60 Hz |
| Output Voltage | 15 VDC |
| Output Current | 500 mA |
| TANK APPLICATIONS | |
| Water Softener | 6" – 21" Diameter |
| Water Filter (1) | 6" – 21" 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 – 120 minutes |
| Rinse | 1 – 120 minutes |
| Pause (service) | 1 – 480 minutes |
| Brine (co-current) | 1 – 180 minutes |
| Refill (softener) | 0.05 – 90.00 Kg |
| Refill (filter) | 0.2 – 76.00 Liters |

Options: Backwash Filter, Bypass, Weather Cover.

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines.

WATER SPECIALIST 1.25" CE CONTROL SPECIFICATIONS

| | |
|---|------------------------------------|
| Inlet/Outlet Fittings | ¾" to 1.5" NPS |
| Cycles | up to 9 |
| Valve Material | Fiber Reinforced Composite |
| Regeneration | Downflow |
| FLOW RATES | |
| Service @ 15 psi/1 bar drop (includes meter, bypass, and 1.25" fitting kit) | 129 lpm (7.7 m³/h) (34 gpm) |
| Backwash @ 25 psi/1.7 bar drop | 121 lpm (7.3 m³/h) (32 gpm) (1) |
| OPERATING PRESSURES | |
| Minimum/Maximum | 20 – 125 psi (1.4 – 8.6 bar) |
| OPERATING TEMPERATURES | |
| Minimum/Maximum | 40 – 110 °F (4 – 43 °C) |
| METER | |
| Accuracy | ± 5% |
| Flow Rate Range | 0.95 – 129 lpm |
| Volume Range | 0.02 – 5,700 m³ |
| Totalizer | 1 – 99,999 m³ |
| DIMENSIONS & WEIGHT | |
| Distributor Pilot | 1.32" OD Pipe (1" NPS) or 32 mm OD |
| Drain Line | ¾" or 1" NPT |
| Brine Line | 3/8" or ½" OD Poly Tube |
| Mounting Base | 2 ½"- 8 NPSM |
| Height From Top Of Tank | 7 3/8" (187 mm) |
| Weight | 4.5 lbs (2 kg) |
| ELECTRICAL SPECIFICATIONS | |
| POWER SUPPLY | |
| U.S. | |
| International | |
| Supply Voltage | 100 VAC to 120 VAC |
| Supply Frequency | 50/60 Hz |
| Output Voltage | 15 VDC |
| Output Current | 500 mA |
| TANK APPLICATIONS | |
| Water Softener | 6" – 21" Diameter |
| Water Filter (1) | 6" – 24" 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 – 120 minutes |
| Rinse | 1 – 120 minutes |
| Pause (service) | 1 – 480 minutes |
| Brine (co-current) | 1 – 180 minutes |
| Refill (softener) | 0.05 – 90.00 Kg |
| Refill (filter) | 0.2 – 76.00 Liters |

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines.

1. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area / 407 lpm per square meter of bed are.

WATER SPECIALIST 1.5" CE CONTROL SPECIFICATIONS

| | |
|---|--|
| Inlet/Outlet (1) | 1.5" Female BSPT or NPT |
| Cycles | up to 9 |
| Valve Material | Lead free brass |
| Regeneration | Downflow |
| FLOW RATES | |
| Service @ 1 bar/15 psi drop (includes meter) | 265 lpm (15.9 m³/h) (70 gpm) |
| Backwash @ 1.7 bar/25 psi drop | 197 lpm (11.8 m³/h) (52 gpm) |
| OPERATING PRESSURES | |
| Minimum/Maximum | 1.4 – 8.6 bar (20 – 125 psi) |
| OPERATING TEMPERATURES | |
| Minimum/Maximum | 40 – 110 °F (4 – 43 °C) |
| METER | |
| Accuracy | ± 5% |
| Flow Rate Range | 2 – 284 lpm (0.5 – 75 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 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 (2) | 1.25" Female NPT |
| Adapter Included | ¾" Male NPT Elbow |
| Brine Line Connection | ¾" Female NPT |
| Adapter Included | ½" OD Poly Tube Compression |
| Mounting Base | 4" – 8 UN |
| Height From Top Of Tank | 191 mm (7.5") |
| Weight | 9.5 kg (21 lbs.) |
| ELECTRICAL SPECIFICATIONS | POWER SUPPLY |
| | U.S. International |
| Supply Voltage | 100 VAC to 120 VAC 200 VAC to 240 VAC |
| Supply Frequency | 50/60 Hz |
| Output Voltage | 15 VDC |
| Output Current | 500 mA |
| TANK APPLICATIONS | |
| Water Softener | 12" – 24" Diameter |
| Water Filter (3) | 12" – 30" 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 – 120 minutes |
| Rinse | 1 – 120 minutes |
| Pause (service) | 1 – 480 minutes |
| Brine (co-current) | 1 – 180 minutes |
| Refill (softener) | 0.05 – 90.00 Kg / .1 – 99 minutes |
| Refill (filter) | 0.2 – 76.00 Liters |

Options: Backwash Filter, Bypass, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines.

WATER SPECIALIST 2" CE CONTROL SPECIFICATIONS

| | |
|---|---|
| Inlet/Outlet | 2" Female BSPT or NPT |
| Cycles | up to 9 |
| Valve Material | Lead free brass |
| Regeneration | Downflow |
| FLOW RATES | |
| Service @ 1 bar/15 psi drop | 435 lpm (26.1 m³/h) (115 gpm) |
| Backwash @ 1.7 bar/25 psi drop | 303 lpm (18.2 m³/h) (80 gpm) |
| Cv Service | 29.7 |
| Cv Backwash | 16.0 |
| OPERATING PRESSURES | |
| Minimum/Maximum | 1.4 – 8.6 bar (20 – 125 psi) |
| OPERATING TEMPERATURES | |
| Minimum/Maximum | 40 – 110 °F (4 – 43 °C) |
| METER | |
| 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 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 | 1.5" 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 |
| Height From Top Of Tank | 216 mm (8.5") |
| Shipping Weight With Meter | 13 Kg (29 lbs.) |
| ELECTRICAL SPECIFICATIONS | POWER SUPPLY |
| | U.S. International |
| Supply Voltage | 100 VAC to 120 VAC 200 VAC to 240 VAC |
| Supply Frequency | 50/60 Hz |
| Output Voltage | 15 VDC |
| Output Current | 500 mA |
| TANK APPLICATIONS | |
| Water Softener | 12" – 48" diameter |
| Water Filter (3) | 12" – 36" 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 – 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 |

Options: Backwash Filter, Weather Cover

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines