ecosoft

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

	Desription	Flow rate, m³h		
Code		Service, (pressure drop 1 bar)	Backwash (pressure drop 1.7 bar)	Connection
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 3/4" 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% 0.95 - 102 lpm Flow Rate Range **Volume Range** 0.02 - 5,700 m³ Totalizer 1 - 99,999 m³ **DIMENSIONS & WEIGHT Distributor Pilot** 1.050" OD Pipe (3/4" NPS) **Drain Line** 3/4" or 1" NPT **Brine Line** 3/8" or $\frac{1}{2}$ " 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 100 VAC to 120 VAC 200 VAC to 240 VAC **Supply Voltage Supply Frequency** 50/60 Hz 15 VDC **Output Voltage 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)

Refill (filter)

0.05 - 90.00 Kg

0.2 - 76.00 Liters



WATER SPECIALIST 1" CE TWIN ALTERNATING CONTROL SPECIFICATIONS

WALLET OF TOTAL OF THE PARTY OF		
Inlet/Outlet Fittings	¾" to 1.5" NPS	
Cycles	up t	0 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	³ ⁄4" 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" D	Diameter
CYCLES OF OPERATION		
Choose up to nine regeneration cycles, in any order, with a wid	le range of available values:	
Cycle	Range o	f values
Backwash	1 – 120 n	ninutes
Rinse	1 – 120 n	ninutes
Pause (service)	1 – 480 r	minutes
Brine (co-current)	1 – 180 minutes	
	0.05 - 90.00 Kg	
Refill (softener)	0.05 - 90	0.00 Kg

Options: Backwash Filter, Bypass, Weather Cover.

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



WATER SPECIALIST 1.25" CE CONTROL SPECIFICATIONS

WATER SPECIALIST 1.25 CE CONTROL SPECIFICATIONS		
Inlet/Outlet Fittings	³¼" 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 SUPPL	Y
	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" - 24" Diame	ter
CYCLES OF OPERATION		
Choose up to nine regeneration cycles, in any order, with a wid	le range of available values:	
Cycle	Range of valu	es
Backwash	1 – 120 minute	es
Rinse	1 – 120 minute	es
Pause (service)	1 – 480 minut	es
Brine (co-current)	1 – 180 minute	es
Refill (softener)	0.05 - 90.00 H	⟨g
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	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 m	nm 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	3/4" 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	50/6	50/60 Hz	
Output Voltage	15	15 VDC	
Output Current	500) mA	
TANK APPLICATIONS			
Water Softener	12" - 24"	Diameter	
Water Filter (3)	12" - 30" Diameter		
	12" - 30"	Diameter	
CYCLES OF OPERATION	12" - 30'	Diameter	
		' Diameter	
Choose up to nine regeneration cycles, in any order, with a	wide range of available values:	of values	
Choose up to nine regeneration cycles, in any order, with a	wide range of available values:		
Choose up to nine regeneration cycles, in any order, with a	wide range of available values: Range 1 – 120	of values	
Choose up to nine regeneration cycles, in any order, with a Cycle Backwash	wide range of available values: Range 1 - 120 1 - 120	of values minutes	
Choose up to nine regeneration cycles, in any order, with a Cycle Backwash Rinse	n wide range of available values: Range 1 - 120 1 - 120 1 - 480	of values minutes minutes	
Choose up to nine regeneration cycles, in any order, with a Cycle Backwash Rinse Pause (service)	n wide range of available values: Range 1 - 120 1 - 120 1 - 480 1 - 180	of values minutes minutes minutes	



WATER SPECIALIST 2" CE CONTROL SPECIFICATIONS

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Inlet/Outlet	2" Female BSPT or NPT	
Cycles	up t	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 m ³	
Totalizer	1 – 99,999 m³ (264 – 26,417,000 gallons)	
DIMENSIONS & WEIGHT	1 //1// III (204 20141/1000 gailotts)	
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 Softener Water Filter (3)	12" - 48" 12" - 36"	
Water Filter (3)	12" - 36"	
Water Filter (3) CYCLES OF OPERATION	12" - 36"	diameter
Water Filter (3) CYCLES OF OPERATION Choose up to nine regeneration cycles, in any order, with a	12" - 36" wide range of available values:	diameter f values
Water Filter (3) CYCLES OF OPERATION Choose up to nine regeneration cycles, in any order, with a Cycle	12" – 36" wide range of available values: Range c	diameter f values minutes
Water Filter (3) CYCLES OF OPERATION Choose up to nine regeneration cycles, in any order, with a Cycle Backwash	12" – 36" wide range of available values: Range of	diameter of values minutes minutes
Water Filter (3) CYCLES OF OPERATION Choose up to nine regeneration cycles, in any order, with a cycle Backwash Rinse	12" - 36" wide range of available values: Range of 1 - 120 (diameter If values minutes minutes minutes
Water Filter (3) CYCLES OF OPERATION Choose up to nine regeneration cycles, in any order, with a Cycle Backwash Rinse Pause (service)	12" - 36" wide range of available values: Range of 1 - 120 of 1 - 480 of 1 - 180 of 1	diameter If values minutes minutes minutes

Options: Backwash Filter, Weather Cover

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