

# WS1CE TWIN ALTERNATING CONTROL VALVE

WATER SPECIALIST  
CLACK-ECOSOT  
CONTROL VALVE



## KEY FEATURES:

- **Multilanguage menu: English, German, French, Ukrainian;**
- **User friendly and Auto settings. Pre-set programmes for Ecomix units and softeners**
- **Downflow regeneration**
- **Backlight screen (high useful for dark environment);**
- **Text menu settings**
- **Manual and flexible setting of regeneration**
- **Programmable regeneration cycle times**
- **Water consumption memory in 124 days**
- **24-hour clock**

# 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 m <sup>3</sup> /h) (28 gpm)
Backwash @ 25 psi/1.7 bar drop (includes bypass).....	57 lpm (3.40 m <sup>3</sup> /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 m <sup>3</sup>
Totalizer .....	1 m <sup>3</sup> - 99,999 m <sup>3</sup>

## DIMENSIONS & WEIGHT

Distributor Pilot.....	1.050" OD Pipe (¾" NPS)
Drain Line .....	¾" or 1" NPT
Brine Line .....	¾" or ½" OD Poly Tube Compression
Mounting Base.....	2 ½"- 8 NPSM
Height From Top Of Tank.....	7 ¾" (187 mm)
Weight .....	16 lbs (7.25 kg)

## ELECTRICAL SPECIFICATIONS

## POWER SUPPLY

	<u>U.S.</u>	<u>International</u>
Supply Voltage .....	100VAC to 120VAC	200VAC to 240VAC
Supply Frequency .....	50/60 Hz	50/60 Hz
Output Voltage .....	15VDC	15VDC
Output Current .....	500 mA	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

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