WS2EE/QC

WATER SPECIALIST CONTROL VALVE

Certified to NSF/ANSI 61 and 372.

- 2” top mount or side mount control valve suited for commercial/industrial applications
- Epoxy coated lead free brass valve body*
- Economical stainless steel optional meter assembly
- Service flow rate of 125 gpm, backwash 85 gpm
- Solid state microprocessor with easy access front panel settings
- Front panel display for time of day, days until next regeneration, volume remaining, current flow rate and total volume used (Totalizer)
- Four methods to initiate regeneration; meter immediate, meter delayed, time clock delayed or pressure differential
- Optional double backwash feature offers optimum regeneration, cleaning ability and efficiency
- Fully adjustable cycle times with 6-cycle control delivers controlled backwash, downflow brining or upflow brining, slow rinse, second backwash, fast rinse, refill and downflow service
- Coin Cell Lithium battery back-up with an 8 hour carry over
- Level VI 15-volt output DC power supply provides safe and easy installation
- Post treated water regenerant refill
- Reliable and proven DC drive
- 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
Water Specialist 2” EE/QC Control Specifications

Inlet/Outlet (1) ................................................................. 2” Female NPT
Cycles ................................................................................. up to 6
Valve Material ................................................................. Lead free brass
Regeneration ................................................................. Downflow

CONTROL VALVE FLOW RATES
- Service @15 psi drop ................................................. 125 gpm
- Backwash @ 25 psi drop ......................................... 85 gpm
- Cv Service ................................................................. 32.3
- Cv Backwash ........................................................... 17.0

OPERATING PRESSURES
Minimum/Maximum ......................................................... 20 psi – 125 psi

OPERATING TEMPERATURES
Minimum/Maximum ......................................................... 40º – 110º F

METER SPECIFICATIONS
- Accuracy ........................................................................... ± 5%
- Flow Rate Range .......................................................... 1.5 – 150 gpm
- Gallon Range ............................................................... 20 – 1,500,000 gallons
- Totalizer ................................................................. 1 – 9,999,000 gallons

DIMENSIONS & WEIGHT
Distributor Pilot
- Valve bodies with 2” Female NPT Inlet & Outlet ............. 2.375” 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
  ½” 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 ......... 11.2”
- Height From Top Of Tank with 6” Flange QC Base .......... 11.3”
- Shipping Weight With Meter ..................................... 30 lbs.

ELECTRICAL SPECIFICATIONS
U.S. International
- 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 ......................................................... 12” – 48” diameter
- Water Filter (2) ......................................................... 12” – 36” diameter

CYCLES OF OPERATION

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.

1. See Distributor Pilot
2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area