Certified to NSF/ANSI 44, 61 and 372.

- 2” top mount or side mount control valve suited for commercial and industrial applications
- Epoxy coated lead free brass valve body
- Built-in Internal Flow Meter standard with all valves
- Service flow rate 125 gpm (473 lpm) (28.4 m3/h), Backwash flow rate 125 gpm (473 lpm) (28.4 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
- 20-volt output AC adapter provides safe and easy installation
- 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” H Control Specifications

<table>
<thead>
<tr>
<th>Inlet/Outlet (1)</th>
<th>2” Female NPT or BSPT/2.5” Groove Lock</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cycles</td>
<td>up to 9</td>
</tr>
<tr>
<td>Valve Material</td>
<td>Lead free brass</td>
</tr>
<tr>
<td>Regeneration</td>
<td>Downflow</td>
</tr>
</tbody>
</table>

#### CONTROL VALVE FLOW RATES
- **Service @ 15 psi/1 bar drop (includes meter)**: 125 gpm (473 lpm) (28.4 m³/h)
- **Backwash @ 25 psi/1.7 bar drop**: 125 gpm (473 lpm) (28.4 m³/h)
- **Cv Service**: 32.3
- **Cv Backwash**: 25.0

#### OPERATING PRESSURES
- Minimum/Maximum: 20 - 125 psi (1.4 - 8.6 bar)

#### OPERATING TEMPERATURES
- Minimum/Maximum: 40º - 110º F (4º - 43º C)

#### METER SPECIFICATIONS
- **Accuracy**: ± 5%
- **Flow Rate Range**: 1.5 - 125 gpm (5.7 - 473 lpm)
- **Volume Range**: 10 - 999,000 gallons (38 - 3,796.2 liters x 1000)
- **Totalizer**: 1,000 - 999,999,000 gallons (3,786 - 3,785,407.9 liters x 1000)

#### DIMENSIONS & WEIGHT
- **Distributor Pilot**
  - Valve Bodies with 2” Female NPT Inlet & Outlet: 2.375” OD (2” NPS)
  - Valve Bodies with 2” Female BSPT Inlet & Outlet: 63mm OD
  - Drain Line Connection: 2” Female NPT/BSPT/2.5” Groove Lock
  - Brine Line Adapters Included: 1” Male NPT elbow and ¾” x 1” solvent weld elbow
  - Optional Adapters: ½” or ⅜” 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: 11.5” (292mm)
  - Height From Top Of Tank with 6” Flange QC Base: 11.6” (294.6mm)
  - Shipping Weight With Internal Meter: 50 lbs (22.7 Kg)

#### ELECTRICAL SPECIFICATIONS
- **AC Adapter**
  - Supply Voltage: 120V AC ............. 230V AC
  - Supply Frequency: 60 Hz ............... 50Hz
  - Output Voltage: 20V AC ........... 20V AC
  - Output Current: 750 mA ............ 750mA

#### TANK APPLICATIONS
- **Water Softener**: 18” - 63” Diameter
- **Water Filter**: 18” - 48” 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 - 95 minutes
    - Brine (draw): 1 - 180 minutes
    - Slow Rinse: 1 - 95 minutes
    - Fast Rinse: 1 - 95 minutes
    - Refill: 0.1 - 99 minutes
    - Hold (service): 1 - 480 minutes

**Options: Backwash Filter**
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/407 lpm per m² of bed area

U.S. Patents: 6,402,944 • 6,444,127
Form No. 2678 • 5/20/2016