FLECK® 5810 CONTROL VALVE

FEATURES • BENEFITS

- Fiber-reinforced polymer valve body for superior strength and durability; non-corrosive, and UV-resistant
- Continuous service flow rate of 36 GPM with a backwash rate of 28 GPM
- Backwash capability accommodates softener tanks and filters up to 21" in diameter
- Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment
- Time-tested, hydraulically-balanced piston for service and regeneration
- Optical sensor for precision cycle positioning
- Soft water refill for a cleaner brine tank
- Designed with double backwash for reduced hardness leakage
- Diagnostics for historical valve performance
- Programming stored in memory and will not be lost due to power outages

Remote Monitoring Technology
- WiFi connectivity allows user to view system status and receive push alerts (XTRi only)*

CONFIGURATIONS • OPTIONS

- Filter or softener control valves
- Downflow co-current or upflow counter-current regeneration
- Plumbing connections in 3/4" to 1-1/4" NPT, BSP, Sweat, and CPVC
- Fiber-reinforced polymer, high-flow bypass valve
- Variable reserve for increased efficiency
- Programmable regeneration types for increased flexibility
- Three color bezel options: black, blue, and silver
- SXT - Large LCD display with one programmable relay output for both normally open and normally closed contacts

TIMER OPTIONS

- XTRi - Premium touch screen LCD display with the ability to connect to Pentair Home and Pentair Pro apps via WiFi*
- XTR2 - Premium touch screen LCD display with two programmable relay outputs for both normally opened and normally closed contacts

* Please visit pentair.com/connectedsoftener for more information on Pentair Home and Pentair Pro apps.
VALVE SPECIFICATIONS

Valve Material: Fiber-reinforced polymer
Inlet/Outlet: 3/4", 1", or 1-1/4" NPT, BSP, Sweat, CPVC
Cycles: 5

FLOW RATES (50 PSI INLET) – VALVE ALONE

<table>
<thead>
<tr>
<th>Piston</th>
<th>Downflow</th>
<th>Upflow</th>
<th>Filter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Continuous</td>
<td>36 GPM</td>
<td>35 GPM</td>
<td>31 GPM</td>
</tr>
<tr>
<td>(15 psi drop)</td>
<td>8.2 m³/hr</td>
<td>7.9 m³/hr</td>
<td>7.0 m³/hr</td>
</tr>
<tr>
<td>Peak</td>
<td>47 GPM</td>
<td>45 GPM</td>
<td>40 GPM</td>
</tr>
<tr>
<td>(25 psi drop)</td>
<td>10.6 m³/hr</td>
<td>10.1 m³/hr</td>
<td>9.0 m³/hr</td>
</tr>
<tr>
<td>Cv</td>
<td>9.4</td>
<td>8.9</td>
<td>8.0</td>
</tr>
<tr>
<td></td>
<td>(flow at 1 psi drop)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max. Backwash</td>
<td>28 GPM</td>
<td>30 GPM</td>
<td>33 GPM</td>
</tr>
<tr>
<td>(25 psi drop)</td>
<td>6.3 m³/hr</td>
<td>6.9 m³/hr</td>
<td>7.5 m³/hr</td>
</tr>
</tbody>
</table>

REGENERATION

Downflow/Upflow: Both
Adjustable Cycles: Yes
Timers Available:
- SXT: 0 - 199 min/cycle
- XTR2/XTRi: 0 - 240 min/cycle

METER INFORMATION

Meter Accuracy:
- 1-1/4" Turbine: 2 - 40 GPM ± 5%
- (0.45 - 9 m³/h)

Meter Capacity Range:
- SXT: 1 - 999,900 gal
- (0 - 3,785 m³)
- XTR2/XTRi: 1 - 9,999,999 gal
- (0 - 37,851 m³)

DIMENSIONS

Distributor Pilot: 1.05" O.D. (26.7 mm)
32 mm O.D.
1.315" O.D. (33.4 mm)
Drain Line: 3/4" or 1" NPT
Quick Connect
Brine Valve: 1600:
3/8" or 1/2"
Injector System: 1610
Mounting Base: 2.5" - 8 NPSM
Height from Top of Tank: 11.3" (287 mm)
Riser Height: 1/4" Below top of tank

TYPICAL APPLICATIONS

Water Softener: 8 - 21" Diameter
Filters: 8 - 21" Diameter based on 10 GPM/ft²

ADDITIONAL INFORMATION

Electrical Rating: 12 Volts DC
Estimated Shipping Weight: 11 lbs (4.99 kg)
Pressure
- Hydrostatic: 300 psi (20 bar)
- Working: 20 - 125 psi (1.4 - 8.5 bar)
Temperature
- Cold Water Valve: 34 - 110°F (1 - 43°C)