

# **5812 CONTROL VALVE**







TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 44 for Water Softener Performance.



TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 372 for Lead Free Compliance.



UL recognized to the 979



TESTED EMC and Low Voltage Directive



Restriction of Hazardous Substance Compliant

# **CONFIGURATIONS • OPTIONS**

- Filter or softener control valves
- Downflow co-current or upflow countercurrent regeneration
- Plumbing connections in 3/4", 1", 1-1/4", or 1-1/2" NPT, BSP, Sweat, and CPVC
- Fiber-reinforced polymer, high-flow bypass valve
- Variable reserve for increased efficiency
- Programmable regeneration types for increased flexibility

# **FEATURES • BENEFITS**

- Fiber-reinforced polymer valve body for superior strength and durability; non-corrosive, and UV-resistant
- Continuous service flow rate of 43 GPM with a backwash rate of 33 GPM
- Backwash capability accommodates softener tanks and filters up to 24" 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)\*

 Three color bezel options: black, blue, or silver

# 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
- SXT Large LCD display with one programmable relay output for both normally open 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", 1-1/4", NPT, BSP, Sweat, CPVC
Cycles	5

# FLOW RATES (50 PSI INLET) - VALVE ALONE -2.5" BASE

Piston	Downflow	Upflow	Filter
Continuous	43 GPM	39 GPM	37 GPM
(15 psi drop)	9.9 m³/hr	8.9 m³/hr	8.4 m³/hr
Peak	56 GPM	51 GPM	47 GPM
(25 psi drop)	12.7 m³/hr	11.9 m³/hr	10.7 m <sup>3</sup> /hr
Cv (flow at 1 psi drop	11.2 )	10.1	9.4
Max. Backwash	33 GPM	36 GPM	45 GPM
(25 psi drop)	7.5 m³/hr	8.1 m³/hr	9.9 m³/hr

## FLOW RATES (50 PSI INLET) - VALVE ALONE -4" BASE

Piston	Downflow	Upflow	Filter		
Continuous (15 psi drop)	45 GPM 10.3 m³/hr	40 GPM 9.1 m³/hr	38 GPM 8.7 m³/hr		
Peak (25 psi drop)	59 GPM 13.3 m³/hr	52 GPM 11.7 m³/hr	50 GPM 11.3 m³/hr		
Cv (flow at 1 psi drop	11.7 )	10.3	9.9		
Max. Backwash (25 psi drop)	34 GPM 7.8 m³/hr	36 GPM 8.2 m³/hr	45 GPM 10.2 m³/hr		
REGENERATION					
Downflow/Upflow	/	Both			

Downflow/Upflow

Adjustable Cycles

Timers Available SXT: XTR2/XTRi: 0 - 199 min/cycle 0 - 240 min/cycle

Yes

#### **METER INFORMATION**

Meter Accuracy 1-1/4" Turbine: Meter Capacity Range SXT:

2-40 GPM ±5%  $(0.45 - 9 \text{ m}^3/\text{h})$ 

1-999,900 gal  $(0 - 3,785 \text{ m}^3)$ 

1-9,999,999 gal

1.05" O.D. (26.7 mm)

1.315" O.D. (33.4 mm) 1.9" O.D. (48.3 mm)

 $(0 - 378,541 \text{ m}^{-3})$ 

32 mm 0.D.

1.5" NPT Quick-Connect

3/8" or 1/2"

2.5" - 8 NPSM 4" - NPSM

12" (305 mm)

1/4" Below top of tank

1610

XTR2/XTRI:

#### DIMENSIONS

Distributor Pilot

Drain Line

Brine Valve 1600:

Injector System

Mounting Base

Height from Top of Tank

**Riser Height** 

# **TYPICAL APPLICATIONS**

Water Softener 8 - 24" Diameter Filters 8 - 24" Diameter based on 10 GPM/ft<sup>2</sup>

### **ADDITIONAL INFORMATION**

**Electrical Rating** 12 Volts DC Estimated Shipping Weight 12 lbs (5.44 kg) Pressure Hydrostatic: 300 psi (20 bar) Working: 20 - 125 psi (1.4 - 8.5 bar)

Temperature 34 - 110°F (1 - 43°C) Cold Water Valve:



13845 Bishops Dr. | Suite 200 | Brookfield, WI 53005 | United States P: 262.238.4400 | Customer Service: 800.279.9404 | tech-support@pentair.com | pentair.com All indicated Pentair trademarks and logos are property of Pentair. Third party registered and unregistered trademarks and logos are the property of their respective owners © 2020 Pentair. All rights reserved.