

# 5800 CONTROL VALVE



**DUFF WATER CONDITIONING**  
*Products for Quality Water*



## FEATURES • BENEFITS

- ◆ Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive, and UV-resistant
- ◆ Continuous service flow rate of 21 GPM with a backwash of 17 GPM
- ◆ Backwash capability accommodates softener tanks and filters up to 16" in diameter
- ◆ Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment system
- ◆ 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

- ◆ Wi-Fi connectivity allows user to view system status and receive push alerts (XTRI only)\*



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 counter-current regeneration
- ◆ Plumbing connections in 3/4" or 1" NPT, BSP, and Sweat
- ◆ Fiber-reinforced polymer or stainless steel bypass valve
- ◆ Variable reserve for increased efficiency
- ◆ Programmable regeneration types for increased flexibility

- ◆ Three color bezel options of black, silver, or blue

## TIMER OPTIONS

- ◆ **XTRI** - Premium touch screen LCD display with the ability to connect to Pentair Home and Pentair Pro apps via Wi-Fi\*
- ◆ **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

- ◆ **LXT** - Midsize LCD display comes preprogrammed for your choices of softener or filter, and time clock or metered, with a maximum of five parameters to complete set-up

\* Please visit [pentair.com/connectedsoftener](http://pentair.com/connectedsoftener) for more information on Pentair Home and Pentair Pro Apps

## VALVE SPECIFICATIONS

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

## FLOW RATES (50 PSI INLET) – VALVE ALONE

Continuous 15 psi	21 GPM (4.8 m <sup>3</sup> /h)
Peak 25 psi (1.7 bar) drop	27 GPM (6.1 m <sup>3</sup> /h)
Cv flow at 1 psi	5.4
Max. Backwash 25 psi (1.7 bar) drop	17 GPM (3.9 m <sup>3</sup> /h)

## REGENERATION

Downflow/Upflow	Both
Adjustable Cycles	Yes
Timers Available	
LXT:	Minutes calculated
SXT:	0 - 199 min/cycle
XTR2/XTRI:	0 - 240 min/cycle

## METER INFORMATION

Meter Accuracy	
3/4" Paddle/Turbine:	0.25 - 15 GPM ± 5% (0.06 - 3 m <sup>3</sup> /h)
Meter Capacity Range	
LXT:	Volume Calculated
SXT:	1 - 999,900 gal (0 - 3,785 m <sup>3</sup> )
XTR2/XTRI:	1 - 9,999,999 gal (0 - 378,541 m <sup>3</sup> )

## DIMENSIONS

Distributor Pilot	1.05" O.D. (26.7 mm)
Drain Line	1/2" NPTF Quick-Connect
Brine Valve 1600:	3/8"
Injector System	1610
Mounting Base	2.5" - 8 NPSM
Height from Top of Tank	9" (228 mm)
Riser Tube Diameter	3/4" (19 mm)
Riser Height	1/4" below top of tank

## TYPICAL APPLICATIONS

Water Softener	6 - 16" Diameter
Filters	8 - 16" Diameter based on 10 GPM/ft <sup>2</sup>

## ADDITIONAL INFORMATION

Electrical Rating	12 Volts DC
Estimated Shipping Weight	
Time Clock:	7 lbs (3.17 kg)
Metered Valve:	10 lbs (4.53 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)

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