PENTAIR
FLECK

5800 CONTROL VALVE

MADE IN THE USA
OF FOREIGN & DOMESTIC PARTS

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

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 rate 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
- 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" 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 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
- **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 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 m³/h)
Peak 25 psi (1.7 bar) drop	27 GPM (6.1 m³/h)
Cv flow at 1 psi	5.4
Max. Backwash 25 psi (1.7 bar) drop	17 GPM (3.9 m³/h)

REGENERATION

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

METER INFORMATION

Meter Accuracy 3/4" Paddle/Turbine:	 0.25 – 15 GPM ± 5% (0.06 – 3 m³/h)
Meter Capacity Range LXT:	 Volume Calculated
SXT:	1 – 999,900 gal (0 – 3,785 m³)
XTR2/XTRi:	1 – 9,999,999 gal (0 – 378,541 m³)

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/ft²

ADDITIONAL INFORMATION

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

PENTAIR

4005571 REV B AP20