

Fleck® 5800 Control Valves

High Performance



Features

- Excellent service rates (21 GPM or 4,8 m³/h continuous, 27 GPM or 6,1 m³/h peak) and backwash flow rate (17 GPM or 3,9 m³/h @ 25psi ΔP)
- Fast positioning reversible 10,000 RPM 12 volt DC drive motor
- Seal and spacer cartridge for easy servicing
- LCD – Backlit display that helps during low light conditions
- Precision cycle positioning using optical sensor
- Soft water refill for better brine saturation and cleaner brine tank
- Three styles of electronic timers to choose from: LXT, SXT and XTR
- Programming is stored in memory and will not be lost due to power outages
- Time of day backup for up to 12 hours of power loss

Fleck® 5800 Control Valves

High Performance



Options

- Upflow or countercurrent regeneration
- Downflow or co-current regeneration
- Backwashing filter
- Fiber-reinforced polymer or stainless steel bypass valve
- Metered- or Time Clock-initiated regeneration
- Plumbing yoke connections in .75", 1" 1.25" NPT, BSP and Sweat
- LXT Timer – Easiest to program, only 2 - 4 parameters to program based on filter or softener
 - Midsize, blue backlit LCD display
 - Preprogrammed for Time Clock or Meter valve
- SXT Timer – Increased flexibility, set cycle steps
 - Large, blue backlit LCD display
 - Ability to change programming: Time Clock or Meter and filter or softener
- XTR Timer – Optimal flexibility, program parameters with ease
 - 2 Line/16 character LCD backlit display
 - Programmable auxiliary relay output with normally open and normally closed contacts

Operating Specifications

VALVE SPECIFICATIONS

Valve Material	Fiber-reinforced polymer
Inlet/Outlet	.75", 1" or 1.25"
Cycles	5

FLOW RATES (50 PSI, 3.4 BAR INLET) – VALVE ALONE

Continuous (15 psi drop)	21 GPM	4,8 m ³ /h
Peak (25 psi drop)	27 GPM	6,1 m ³ /h
Cv (flow at 1 psi drop)	5.4	
Max. Backwash (25 psi drop)	17 GPM	3,9 m ³ /h

REGENERATION

Downflow/Upflow	Both
Adjustable Cycles	Yes – SXT and XTR
Time Available	LXT: Minutes calculated SXT: 0 - 199 minutes per cycle XTR: 0 - 240 minutes per cycle

METER INFORMATION

Meter Accuracy	.25 - 15 GPM +/- 5%
Meter Capacity Range (gal.)	LXT: Volume calculated SXT: 1 - 999,900 XTR: 1 - 9,900,000

DIMENSIONS

Distributor Pilot	1.05" O.D., 26,7mm
Drain Line	1/2" O.D.
Injector Brine System	1600
Brine Line	3/8"
Mounting Base	2.5" - 8 NPSM
Height from Top of Tank	9", 228mm

TYPICAL APPLICATIONS

Water Softener	6" - 16" diameter (limited by maximum injector size)
Filter	8" - 16" diameter (based on 10 GPM per sq. ft.)

ADDITIONAL INFORMATION

Electrical Rating	12 Volts DC
Estimated Shipping Weight	Time Clock: 7 lbs. Metered Valve: 10 lbs.
Pressure	Hydrostatic: 300 psi, 20 bar Working: 20 - 125 psi, 1,4 - 8,5 bar
Temperature	34° - 110° F, 1° - 43° C



Pentair Residential Filtration, LLC
5730 North Glen Park Road
Milwaukee, WI 53209
Tel: 262.238.4400
Fax: 262.238.4404
Customer Care: 800.279.9404
www.pentairaqua.com/pro