

TECHNICAL SHEET

FLECK 5800 CONTROL VALVE





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TECHNICAL CHARACTERISTICS



- 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 @ 25 psi ΔP)
- Fast positioning reversible 10,000 RPM 12 V 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
- Two styles of electronic timers to choose from: LXT and SXT
- Time of day backup for up to 12 hours of power loss
- Programming is stored in memory
- Soft water refill for better brine saturation and cleaner brine tank

OPTIONS



- Upflow or countercurrent regeneration
- Down flow or co-current regeneration
- Backwashing filter
- Metered- or Time Clock-initiated regeneration
- 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

OPERATING SPECIFICATIONS

VALVE SPECIFICATIONS

Valve Material	Fiber-reinforced polymer
Inlet/Outlet	0.75, 1 or 1.25 inch
Cycles	5

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

Continuous ($\Delta p = 1$ bar)	21 gpm	4.8 m ³ /h
Peak ($\Delta p = 1.8$ bar)	27 gpm	6.1 m ³ /h
Cv*	5.4	
Max. Backwash ($\Delta p = 1.8$ bar)	17 gpm	3.9 m ³ /h

* Cv: Flow rate of valve alone in gpm at 0.07 bar pressure drop

REGENERATION

Down flow/Upflow	Both
Adjustable Cycles	Yes: SXT
Timer	LXT: Minutes calculated SXT: 0-199 minutes per cycle

METER INFORMATION

Meter Accuracy	0.25-15 gpm $\pm$ 5%
Meter Capacity Range (gal.)	LXT: Volume calculated SXT: 1-999.900

DIMENSIONS

Distributor Pilot	1.05 inch O.D., 26.7 mm
Drain Line	½ inch O.D.
Injector Brine System	1600
Brine Line	⅜ inch
Mounting Base	2½ inches - 8 NPSM
Height from Top of Tank	9 inches, 228 mm

TYPICAL APPLICATIONS

Water Softener	6-16 inches Ø (limited by maximum injector size)
Filter	8-16 inches Ø (based on 10 gpm per sq. ft.)

ADDITIONAL INFORMATION

Electrical Rating	12 V DC
Pressure	Hydrostatic: 300 psi, 20 bar Working: 20-125 psi, 1.4-8.5 bar
Temperature	34-110°F, 1-43°C



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