



TECHNICAL SHEET

FLECK

RESIDENTIAL VALVE 5800





FLECK RESIDENTIAL VALVE - 5800

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: Storm and Typhoon
- 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
- Storm 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
- Typhoon 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 (3.5 BAR INLET) – VALVE ALONE

Continuous ($\Delta p = 1$ bar)	4.8 m ³ /h
Peak ($\Delta p = 1.8$ bar)	6.1 m ³ /h
Cv*	5.4 gpm
Max. backwash ($\Delta p = 1.8$ bar)	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: Typhoon
Timer	Storm: minutes calculated Typhoon: 0 - 199 minutes per cycle

METER INFORMATION

Meter accuracy	0.25 - 15 gpm \pm 5%
Meter capacity range (gal.)	Storm: volume calculated Typhoon: 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	2 ½ inches - 8 NPSM
Height from top of tank	9 inches, 228 mm

TYPICAL APPLICATIONS

Water softener	6 - 16 inches \emptyset (limited by maximum injector size)
Filter	8 - 16 inches \emptyset (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

