

TECHNICAL SHEET

FLECK
RESIDENTIAL
VALVE 5800



FILTRATION SOLUTIONS

TECHNICAL SHEET



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 @ 1.8 bar 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
- Precise positioning of the piston using optical sensor
- Three styles of electronic controllers to choose from: Storm, Typhoon and Hurricane
- Programming is stored in memory
- Filling of treated water for better regeneration efficiency and cleaner brine tank



OPTIONS

- Upflow or countercurrent regeneration
- Down flow or co-current regeneration
- Filter (standard upflow piston; down flow possible with the Typhoon & Hurricane controller).
- Metered- or time clock-initiated regeneration



OPERATING SPECIFICATIONS

VALVE SPECIFICATIONS

Valve material	Reinforced PPO (Polyphenylene oxide) glass fibre
Inlet/Outlet	0.75, 1 or 1.25"
Cycles	5 (to 7 according to settings)

FLOW RATE (3.5 BAR INLET) – VALVE ALONE

Continuous ($\Delta p = 1$ bar)	4.8 m ³ /h	21 gpm
Peak ($\Delta p = 1.8$ bar)	6.1 m ³ /h	27 gpm
Kv / Cv*	4.67	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	Storm, Typhoon & Hurricane
Adjustable cycles	Typhoon & Hurricane
Timer	Storm: minutes calculated Typhoon: 0 - 199 minutes per cycle Hurricane: 0 - 199 minutes per cycle

METER INFORMATION

Meter accuracy range	1 - 57 l/min $\pm$ 5%
Meter capacity range (gal.)	Storm: volume calculated Typhoon: 1 - 999.900 Hurricane: 1 - 999.900

DIMENSIONS

Central tube	1.05" ext. dia., 26.7 mm
Cutting height of central tube	Bottle waves of $\pm$ 5 mm
Injector brine system	Ext. dia. 1/2" DN 15 (15/21 mm)
Connection to drain	1650
Brine line	3/8"
Mounting base	2 1/2" - 8 NPSM
Height (from the cylinder thread)	9", 228 mm

TYPICAL APPLICATIONS

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

* Valve delivered with an upflow piston, which will set the filter in upflow mode. Only Typhoon and Hurricane allow for a filter with a down flow piston.

ADDITIONAL INFORMATION

Electrical rating	12 V DC
Pressure	Hydrostatic: 300 psi, 20 bar Working: 20 - 125 psi, 1.4 - 8.6 bar
Temperature	34 - 110°F, 1 - 43°C

5800 FLECK VALVE CONTROLLERS

STORM/LXT CONTROLLER



BENEFITS AND FEATURES

- Easier to program, only 2-4 parameters to be programmed according to the application (filter or softener)
- LCD display with average size blue backlight
- Pre-programmed for the chronometer, volumetric or filter valve
- Suitable for filtration or softening systems

TYPHOON/SXT CONTROLLER



- Increased flexibility, regeneration of the settings phases
- Large LCD display with blue backlight
- Ability to change the programming: chronometric or volumetric version
- Suitable for filtration or softening systems

HURRICANE/XTR CONTROLLER



- Display on premium LCD touch screen
- Customisable programming
- Help / assistance screen with optional retailer contact information
- Easy programming with user-friendly interface
- Shutdown when system error alarm goes off