

TECHNICAL SHEET

FLECK
COMMERCIAL VALVE 5812



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OUR WEBSITE



FLECK 5812 COMMERCIAL VALVE

TECHNICAL CHARACTERISTICS

- Fiber-reinforced polymer valve body
- Continuous service flow rate up to 9.9 m³/h (43 GPM) with a backwash of 7,5 m³/h (33 GPM) when used with 4" base
- Backwash capability accommodates softener filters and tanks up to 24 inches in diameter
- Fully adjustable 3- or 5-cycle control
- Optical sensor
- Soft water refill
- Variable brining when used with XTR timer
- Diagnostics
- Programming stored in memory

OPTIONS

- Filter or softener control valves
- Downflow co-current or upflow counter-current regeneration
- Plumbing connections in 1 and 1.25 inches BSP
- Fiber-reinforced polymer high-flow bypass valve
- Variable brining when used with XTR timer
- Programmable regeneration types
- Two color bezel options black or blue
- XTR/Hurricane - Premium touch screen LCD display with two programmable relay outputs for both normally opened and normally closed contacts
- SXT/Typhoon - Large LCD display and user-selectable time clock or metered function; usable for filtration and softener systems



VALVE SPECIFICATIONS

Valve material	Fiber - reinforced polymer
Inlet/Outlet	1 or 1.25 inch BSP
Cycles	5

FLOW RATE (3.5 BAR INLET) – VALVE ALONE

	2.5-inch base			4-inch base		
	Downflow m ³ /h (GPM)	Upflow m ³ /h (GPM)	Filter m ³ /h (GPM)	Downflow m ³ /h (GPM)	Upflow m ³ /h (GPM)	Filter m ³ /h (GPM)
Continuous ($\Delta p = 1$ bar)	9.9 (43)	8.9 (39)	8.4 (37)	10.3 (45)	9.1 (40)	8.7 (38)
Peak ($\Delta p = 1.8$ bar)	12.7 (56)	11.9 (51)	10.7 (47)	13.3 (59)	11.7 (52)	11.3 (50)
Kv*	9.7	8.7	8.1	10.1	8.9	8.5
Cv**	11.2	10.1	9.4	11.7	10.3	9.9
Max. backwash ($\Delta p = 1.7$ bar)	7.5 (33)	8.1 (36)	10.2 (44)	7.8 (34)	8.2 (36)	10.2 (45)

* Kv: Service flow rate (valve alone) in m³/h at 1 bar pressure drop, water temperature of 16°C.
 ** Cv: Service flow rate (valve alone) in gpm at 1 PSI pressure drop at water temperature of 60°F

REGENERATION

Downflow / Upflow	Both
Adjustable cycles	Yes
Time available	Typhoon (SXT): 0 - 199 min/cycle Hurricane (XTR): 0 - 240 min/cycle

METER INFORMATION

Meter accuracy	1.25-inch turbine: 0.45 - 9 m ³ /h (2 - 40 GPM \pm 5%)
Meter capacity range	Typhoon (SXT): 0 - 3,785 m ³ (1 - 999,900 gal) Hurricane (XTR): 0 - 378,541 m ³ (1 - 9,999,999 gal)

DIMENSIONS

Distributor pilot	32 mm I.D. 1.9 inch w/4 inch base
Drain line	1" or 1.25" BSP
Injector brine system	1610: 3/8"
Mounting base	2.5 inches - 8 NPSM/4 inches - NPSM
Height from top of tank	305 mm (12 inches)
Riser height	0.25 inches below top of tank

TYPICAL APPLICATIONS

Water softener	8 - 24 inches \emptyset
Filter	8 - 24 inches \emptyset (based on 24,5 m ³ /h - 10 GPM/ft ²)

ADDITIONAL INFORMATION

Electrical rating	12 V DC
Pressure	Hydrostatic: 20 bar (300 psi) Working: 1.4 - 8.5 bar (20 - 125 psi)
Temperature	Cold water valve: 1 - 43°C (34 - 110°F)
Estimated Shipping Weight	5 kg

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