

The Charger PROH₂O Series



WATER TREATMENT SYSTEMS

Pro H2O Fleck 5810 Features & Benefits:

- Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive, and UV-resistant
- Continuous service flow rate of 36 GPM with a backwash of 28 GPM
- Backwash capability accommodates softener tanks and filters up to 21" in diameter
- Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment system
- Time-tested, hydraulically-balanced piston for service and regeneration
- Optical sensor for precision cycle positioning
- Soft water refill for a cleaner brine tank
- Designed with double backwash for reduced hardness leakage
- Diagnostics for historical valve performance
- Programming stored in memory and will not be lost due to power outages

Remote Monitoring Technology

- Wi-Fi connectivity allows user to view system status and receive push alerts (XTRI only)

Configurations & Options

- Filter or softener control valves
- Downflow co-current or upflow counter-current regeneration
- Plumbing connections in 3/4" to 1-1/4" NPT, BSP, Sweat, and CPVC
- Fiber-reinforced polymer high-flow bypass valve
- Variable reserve for increased efficiency
- Programmable regeneration types for increased flexibility
- Three color bezel options of black, blue, and silvertacts



FLECK
5810

Your **Charger** Water
Treatment Dealer:

Valve Specifications

Valve Material	Fiber-reinforced polymer
Inlet/Outlet.....	3/4", 1", or 1 1/4" NPT, BSP, Sweat, CPVC
Cycles	5

Flow Rates (50 PSI Inlet) - Valve Alone

Piston	Downflow	Upflow	Filter
Continuous (15 psi drop)	36 GPM 8.2 m ³ /hr	35 GPM 7.98 m ³ /hr	31 GPM 7.0 m ³ /hr
Peak (25 psi drop)	47 GPM 10.6 m ³ /hr	45 GPM 10.1 m ³ /hr	40 GPM 9.0 m ³ /hr
Cv (flow at 1 psi drop)	9.4	8.9	8.0
Max backwash (25 psi drop)	28 GPM 6.3 m ³ /hr	30 GPM 6.9 m ³ /hr	33 GPM 7.5 m ³ /hr

Regeneration

Downflow/Upflow	Both
Adjustable Cycles.....	Yes

Timers Available:

SXT:	0-199 min/cycle
XTR2/XTRI:	0-240 min/cycle

Meter Information

Meter Accuracy:

1 1/4" Turbine	2 - 40 GPM ± 5% (0.45 m ³ - 39 /h)
----------------------	---

Meter Capacity

SXT:	1-999,900 gal (0 - 3,785 m ³)
XTR2/XTRI:	1 - 9,999,999 gal (0 - 378,541 m ³)

Dimensions

Distributor Pilot	1.05" O.D. (26.7 mm) 32 mm O.D. 1.315" O.D. (33.4 mm)
-------------------------	--

Drain Line	3/4" or 1" NPT Quick Connect
------------------	------------------------------

Brine Valve

1600:.....	3/8" or 1/2"
Injector System.....	1610
Mounting Base.....	2.5" - 8 NPSM
Height from Top of Tank	11.3" (287 mm)
Riser Height.....	1/4" Below top of tank

Typical Applications

Water Softener.....	8 - 21" Diameter
Filters.....	8 - 21" Diameter based on 10 GPM/ft ²

Additional Information

Electrical Rating	12 Volts DC
Estimated Shipping Rate.....	11 lbs (4.99 kg)
Pressure - Hydrostatic	300 psi (20 bar)
Working.....	20-125 psi (1.4 - 8.5 bar)
Temperature - Cold Water Valve.....	34-110° F (1-43° C)

Timer Options

- XTRI - Premium touch screen LCD display with the ability to connect to Pentair Home and Pentair Pro Apps via Wi-Fi
- XTR2 - Premium touch screen LCD display with two programmable relay outputs for both normally opened and normally closed contacts
- SXT - Large LCD display with one programmable relay output for both normally open and normally closed contacts



CHARGER
Water Treatment Products



Fleck 5810 Control Valve

chargerwater.com