

CLEAN WATER

SOLUTIONS

FLECK 2510 HIGH PERFORMANCE BACKWASHING FILTER



FEATURES/BENEFITS

Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive, and UV-resistant

Continuous service flow rate of 19 GPM with a backwash of 17 GPM

Backwash capability accommodates softener tanks up to 16" and filter up to 16" 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

Rugged-built electromechanical timer designed with heavy duty 3/8" wide plastic gears

OPTIONS

Filter or softener control valves

No hard water bypass piston

Brine cam auxiliary switch

Electromechanical timer auxiliary switch

Plumbing connections in 3/4" to 1-1/4" NPT, BSP, and sweat

Fiber-reinforced polymer or stainless steel bypass valve

Electromechanical 7- or 12-day time clock, meter delayed, or meter immediate regeneration

Manual lever operations

SXT-Large LCD display and user-selectable time clock or metered function; usable for filtration and softener systems

XT- Offers a two-line, 16 character LCD backlit display for easy entering of master and user programming as well as view of diagnostics

Electromechanical Timer- Simple to adjust and easy to service with quick access to all internal components



TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 44 for Water Softener Performance.



TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 372 for Lead Free Compliance.



UL recognized to 979



Restriction of Hazardous Substance Compliant

MADE IN THE
USA
OF FOREIGN & DOMESTIC PARTS

VALVE SPECIFICATIONS

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

FLOW RATES (50 PSI INLET) – VALVE ALONE

| | |
|------------------------------|-----------------------------------|
| Continuous 15 psi drop | 19 GPM (4.3 m ³ /h) |
| Peak 25 psi drop | 24 GPM (5.5 m ³ /h) |
| Cv flow at 1 psi drop | 4.8 |
| Max. Backwash 25 psi drop | 17 GPM (3.9 m ³ /h) |

REGENERATION

| | |
|--------------------|--------------------------|
| Downflow/Upflow | Downflow only |
| Adjustable Cycles | Yes |
| Time Available | |
| Electromechanical: | 0 - 164 min/regeneration |
| SXT: | 0 - 199 min/cycle |
| XT: | 0 - 240 min/cycle |

METER INFORMATION

| | |
|----------------------|---------------------------------------------------------|
| Meter Accuracy | |
| 3/4" Paddle/Turbine: | 0.25 - 15 GPM ± 5% (0.06 - 3 m ³ /h) |
| Meter Capacity Range | |
| 3/4" Standard: | 125 - 2,125 gal (0.5 - 8 m ³) |
| 3/4" Extended: | 625 - 10,625 gal (2.5 - 40 m ³) |
| SXT: | 1 - 999,900 gal (0 - 3,785 m ³) |
| XT: | 1,000 - 9,900,000 gal (3.8 - 37,476 m ³) |

DIMENSIONS

| | |
|----------------------------|----------------------------|
| Distributor Pilot | 1.05" O.D. (26.7 mm) |
| Drain Line | 1/2" NPTF Quick-Connect |
| Brine Valve 1600: | 3/8" |
| Injector System | 1600 |
| Mounting Base | 2.5" - 8 NPSM |
| Height from Top of Tank | 7.5" (191 mm) |
| Riser Tube Diameter | 3/4" (19 mm) |
| Riser Height | 1/4" Below top of tank |

TYPICAL APPLICATIONS

| | |
|----------------|-----------------------------------------------------|
| Water Softener | 6 - 16" diameter |
| Filters | 8 - 16" diameter based on 10 GPM/ft ² |

ADDITIONAL INFORMATION

| | |
|---------------------------|---------------------------------|
| Electrical Rating | 24/110/220V 50/60 Hz |
| Estimated Shipping Weight | |
| Time Clock: | 7 lbs |
| Metered Valve: | 10 lbs |
| 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) |



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