

FLECK

2510 VALVE

HIGH PERFORMANCE CONTROL VALVE









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

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 filters up to 16" in diameter
- Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment system operation
- Time-tested, hydraulicallybalanced piston for service and regeneration
- Rugged-built electromechanical timer designed with heavy duty 3/8" wide plastic gears

AIO FEATURES • BENEFITS

- No chemical additives or air compressors are required for operation
- Utilizes an air injection system to remove iron (ferrous or clear water), manganese, and sulfur from the water via both oxidation and filtration
- Pre-coated plastic piston for friction and corrosion resistance
- AIO product is not certified
- Available with SXT controller only

OPTIONS

- Filter, AIO, 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 userselectable time clock or metered function; usable for filtration, softener systems, and AIO
- XT- Offers a two-line, 16 character LCD backlit display for easy entering of master and user programing as well as view of diagnostics
- Electromechanical Timer- Simple to adjust and easy to service with quick access to all internal components

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 19 GPM (4.3 m³/h)

15 psi (1.0 bar) drop

Peak 24 GPM (5.5 m³/h)

25 psi (1.7 bar) drop

Cv 4.8

flow at 1 psi

Max. Backwash 17 GPM (3.9 m³/h)

25 psi

REGENERATION

Downflow/Upflow Downflow only

Adjustable Cycles Yes

Timer 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 $\pm 5\%$

 $(0.06 - 3 \text{ m}^3/\text{h})$

1-1/2" Paddle: 1.5 - 75 GPM ± 5%

(5.7 - 283.9 LPM)

Meter Capacity Range

3/4" Standard: 125 - 2,125 gal

 $(0.5 - 8 \text{ m}^3)$

3/4" Extended: 625 - 10,625 gal

 $(2.5 - 40 \text{ m}^3)$

SXT: 1-999,900 gal

(0 - 3,785 m³)

XT: 1,000 - 9,900,000 gal

 $(3.8 - 37,476 \text{ m}^3)$

AIO - Meter not included

DIMENSIONS

Distributor Pilot 1.05" O.D. (26.7 mm)

1-1/2" EM Extended: 1/2" NPTF

Quick-Connect

Brine Valve

1600: 3/8"

Injector System 1600, 1650

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 (including AIO) 8 - 16" diameter

based on 10 GPM/ft2

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)

Working (AIO Only): 20 - 80 psi

(1.4 - 5.5 bar)

Temperature

Cold Water Valve: $34 - 110^{\circ}F (1 - 43^{\circ}C)$



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