

WATER TREATMENT SYSTEMS

Capacity is one of the first things you should look for in a water treatment system. The average family uses 80 to 100 gallons of water per person per day. That means a household of five requires 400 gallons of softened water daily.



How the 2510SXT System Softens Water

Hard water passes through the media tank that contains resin beads coated with sodium ions. The calcium and magnesium ions are exchanged for sodium (or potassium) ions, thus softening the water. When the beads have trapped the hardness and need to be regenerated, the control valve charges them with the brine from the brine tank.

As regeneration occurs, calcium and magnesium (hardness) ions are freed from the beads, replaced with sodium or potassium ions; and the system is ready to soften water again.

Fleck 2510SXT Control Valve Features:

- Fully adjustable cycles
- Certified flow rates to 19 gpm
- Operating pressure to 125 psi
- Operating temperatures to 110°F
- Metered (DIR) or timed regeneration
- Single piston operation
- Non-corrosive, high tech material construction

Brine tank performance insurance

All Charger water softeners may be ordered with optional salt grid which virtually prevents salt bridging.

Demand Initiated Regeneration (DIR)

Save water and up to 40% in salt usage by adding meter-controlled regeneration to your unit.



2510 HI-FLOW
SERIES



2510SXT SERIES



Features:

- Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive, and UV resistant
- Continuous service flow rate of 19 FPM 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, hydraulically balanced piston for service and regeneration
- Rugged-built electromechanical timer designed with heavy duty 3/8" wide plastic gears

Your **Charger** Water
Treatment Dealer:

Specifications

Valve Material	Fiber Reinforced Polymer
Inlet/Outlet	3/4", 1", 1-1/4" NPT/BSP/Sweat
Cycles	3 or 5

Flow Rates (50 psi Inlet) - Valve Alone

Continuous (15 psi drop)	19 GPM
Peak (25 psi drop)	24 GPM
CV (flow at 1 psi drop)	4.8
Max Backwash (25 psi drop)	17 GPM

Regeneration

Downflow/Upflow	Downflow only
Adjustable Cycles	Yes
Timer Available SXT	0-199 min/cycle

Meter Information

Meter Accuracy Range	.25-15 GPM +/-5%
Meter Capacity Range (gal)	1-60,000

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"
Riser tube diameter	3/4"
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 50/60Hz
Estimated Shipping Weight	Time Clock: 7 lbs Metered Valve: 10 lbs
Pressure	Hydrostatic: 300 psi Working: 20-125 psi Working (AIO): 20-80 psi
Temperature-Cold Water Valve	34°F - 110°F