

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 5600SXT 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.

The 5600SXT .75" Control Valve Features:

- Solid state microprocessor with LED display: time of day, remaining capacity, regeneration cycle in process
- SE electronics provide quick setup and programming
- Double backwash
- Choose from (3) modes of operation: immediate meter regeneration, delayed meter regeneration, or delayed time clock regeneration
- Meter (DIR) or time clock initiated regeneration
- NOVRAM valve status and memory backup

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.



5600SXT
SERIES



5600SXT SERIES



Features:

- Large LCD display with 48 hours of internal power backup capacitor
- LCD display alternates between time of day, volume remaining or days to regeneration, and tank in service (twin tank systems only)
- Compact turbine meter
- Downflow or upflow regeneration cycles
- Choose from 4 modes of operation: immediate meter regeneration, delayed meter regeneration, delayed time clock regeneration or day of week regeneration
- Continuous flow rate of 20 GPM
- Backwash capacity handles tanks up to 12" diameter for softener applications, 10" for filter applications
- Double backwash capability

Your **Charger** Water
Treatment Dealer:

Specifications

Valve Material	Fiber Reinforced Polymer
Inlet/Outlet	3/4" c 1", 1-1/4"
Cycles	5

Flow Rates (50 psi Inlet) - Valve Alone

Continuous (15 psi drop)	20 GPM
Peak (25 psi drop)	26 GPM
CV (flow at 1 psi drop)	5.0
Max Backwash (25 psi drop)	7 GPM

Regeneration

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

Dimensions

Distributor Pilot	.8125" or 1.05" Pipe O.D.
Drain Line	1/2" NPTF
Brine Line	1600-3/8"
Mounting Base	2-1/2" - 8 NPSM
Height from top of tank	7-1/2"

Typical Applications

Water Softener	6" - 12" Diameter
Iron Filter	6" - 12" Diameter
Sediment Filter	6" - 12" Diameter
Carbon Filter	6" - 12" Diameter
Neutralizing Filter	6" - 12" Diameter

Additional Information

Injector Brine System	1600
Electrical Rating	24 v, 50 Hz, 60 Hz
Max VA	8.4
Estimated Shipping Weight	Time Clock: 6 lbs Metered Valve: 7 lbs
Pressure	Hydrostatic: 300 psi Working: 20-125 psi
Temperature	34°F - 110°F

Approvals

UL (powerhead only)