

Model 2850s

1.5" Control Valve



◀ Front (without cover)



Features

- Offers best-in-class flow rates in a 1.5" commercial valve
- Multi-tank system capability
- Increased service and backwash flow
- Fully adjustable 5-cycle control delivers controlled upflow backwash, downflow brining and slow rinse, rapid rinse, timed brine refill and downflow service
- Time-tested, hydraulically-balanced piston, seal and spacer design to pilot service flow and regeneration
- Solid lead-free brass* valve body for superior strength and durability
- 1.5" top mount control valve ideal for smaller size commercial/industrial applications
- Backwash capacity handles up to 36" diameter tanks for softeners
- Ideal for most filter applications up to 30" diameter tanks
- Consistent brining regardless of salt levels with timed brine refills
- Choice of 7- or 12-day clock, manual or volume initiated timers
- Continuous service flow rate of 70 GPM with a backwash of 70 GPM

Options

- Meter-initiated regeneration
- Time Clock
- No untreated water bypass piston
- Environmental cover
- Electromechanical, SXT or NXT
- Hot water (time clock 180°F; metered valve 150°F)
- Manual operation
- Service valve operator
- Auxiliary micro switch
- Side mount
- Cold water (100°F)



TESTED AND CERTIFIED by the WQA
 to NSF/ANSI STD. 61 Section 8
 Material Safety Only and ANNEX "G"

Valve Specifications

Valve material	Lead-free brass*
Inlet/Outlet	1-1/2" NPTF
Cycles	5

Flow Rates (50 psi Inlet) - Valve Alone

Continuous (15 psi drop)	70 GPM side mount/top mount
Peak (25 psi drop)	90 GPM side mount/top mount
Cv (flow at 1 psi drop)	18
Max. backwash (25 psi drop)	70 GPM

Regeneration

Downflow/Upflow	Downflow only
Adjustable cycles	Yes
Time available	Electromechanical: 164 minutes SXT: 0 - 199 minutes per cycle NXT: 0-12 hours per cycle XT: 0-12 hours per cycle

Meter Information

Meter accuracy	7/10 - 40 GPM +/- 5% (1") 1-1/2 - 75 GPM +/- 5% (1-1/2")
Meter capacity range (gal.)	
1" Standard	310 - 5,270
1" Extended	1,150 - 26,350
1-1/2" Standard	625 - 10,625
1-1/2" Extended	3,125 - 53,125
NXT, XT	1,000 - 9,900,000
SXT	1,000 - 60,000

Dimensions

Distributor pilot	1-9/10" O.D.
Drain line	1-1/4" NPTF
Injector brine system	1600 & 1650 - 3/8" 1710 - 1/2"
Brine line	3/8" & 1/2"
Mounting base	4" - 8 UN
Height from top of tank	6 - 1/2"

Additional Information

Electrical rating	24 v, 110 v, 220 v - 50 Hz, 60 Hz
Max. VA	72
Estimated shipping weight	Time clock: 19 lbs. Metered valve: 27 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	Cold water: 34° - 110° F Hot water: 180° F

Typical Applications

Water Softener	14" - 36" diameter
Iron Filter	14" - 30" diameter
Sediment Filter	14" - 30" diameter
Carbon Filter	14" - 30" diameter
Neutralizing Filter	14" - 30" diameter

* As defined in the U.S. EPA Safe Drinking Water Act; the product also meets California Proposition 65 Standards