

Model 2850

1.5" Control Valve



Features

- 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
- Backwash capacity handles tanks up to 30" diameter
- 1-1/2" top mount control valve ideal for smaller size commercial/ industrial applications
- Consistent brining regardless of salt levels with timed brine refills
- Choice of 7 or 12 day clock, manual or meter
- Continuous flow rate of 51 GPM with a backwash of 49 GPM
- Ideal for most filter applications up to 24"

Options

- Meter-initiated regeneration
- Backwash filter
- No hard water bypass
- Environmental cover
- Electronic timer, 3200NXT, 3214NXT, or XT
- Hot water (time clock 180°F; metered valve 150°F)
- Manual operation
- Service valve operator
- Auxiliary switch
- Side mount

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)	51 GPM side mount
Peak (25 psi drop)	66 GPM side mount
Cv (flow at 1 psi drop)	13-1/5
Max. backwash (25 psi drop)	49 GPM

Regeneration

Downflow/Upflow	Downflow only
Adjustable cycles	Yes
Time available	Electromechanical: 164 minutes SXT: 0 - 99 minutes per cycle NXT: 240 minutes per cycle XT: Up to 240 minutes 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
3200NT	2,900,000
3214NT	9,900,000
XT	1,000 - 9,900,000

Dimensions

Distributor pilot	1-9/10" O.D.
Drain line	1" NPTM
Injector brine system	1600 & 1650 - 3/8" 1700 - 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	34° - 110° F

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



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