



Features

- Suitable for large residential/light commercial applications
- Fully adjustable, 5-cycle control delivers controlled upflow backwash, downflow brining and slow rinse, rapid rinse, timed brine refill, and downflow service
- Backwash capacity handles tanks up to 24" diameter
- Solid, lead-free brass valve body
- Time tested, hydraulically-balanced piston, seal, and spacer concept to pilot service flow and regeneration

Options

- Filter or softener control valves
- Hot water up to 150°F for any 1700 brine system or metered control valve
- Hot water up to 180°F for any filter or 1600 brine system or metered control valve
- Manual operation (filter or softener)
- Service valve operator
- No hard water bypass
- Electronic timer, SXT, XT, 3214NXT, or 3200NXT
- Environmental cover
- Auxiliary switches
- Meter delayed or immediate initiated regeneration



Valve Specifications

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

Flow Rates (50 psi Inlet) - Valve Alone

Continuous (15 psi drop)	26 GPM
Peak (25 psi drop)	33 GPM
Cv (flow at 1 psi drop)	6.8
Max. backwash (25 psi drop)	25 GPM

Regeneration

Downflow	Downflow only
Adjustable cycles	Yes
Time available	Electromechanical: 164 minutes SXT: 199 minutes per cycle NXT: 240 minutes per cycle XT: 240 minutes per cycle

Meter Information

Meter accuracy	.75" - .25 - 15 GPM +/- 5% 1" - 0.7 - 40 GPM +/- 5%
Meter capacity range (gal.)	Standard: 310 - 5,270 Extended: 1,550 - 26,350 SXT: 1 - 999,900 NXT: 9,900,000 XT: 1,000 - 9,900,000

Dimensions

Distributor pilot	1.05" O.D.
Drain line	3/4" NPTM
Injector brine system	1600 & 1050 - 3/8" 1700 & 1710 - 1/2"
Brine line	3/8" & 1/2"
Mounting base	2-1/2" - 8 NPSM
Height from top of tank	6 - 1/2"

Typical Applications

Water softener	10" - 24" diameter
Filter	10" - 21" diameter

Electrical Rating

24 v, 110 v, 220 v - 50 Hz, 60 Hz **

Additional Information

Estimated shipping weight	Time clock: 13 lbs. Metered valve: 26 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

** 24 VAC Pentair Transformers:
115 VAC +/- 20% Input, 24 VAC Output
230 VAC +/- 20% Input, 24 VAC Output