



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

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

Flow Rates (50 psi Inlet) - Valve Alone

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|-----------------------------|--------|
| 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

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|-------------------|---|
| 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

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|-----------------------------|--|
| 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

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|-------------------------|--|
| 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

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

Additional Information

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|---------------------------|---|
| 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