

Model 4650

Hot Water Control Valve



Features

- Designed with double backwash
- Combines rugged, lead-free brass body with time-tested "L" style powerhead
- Uses standard 5600 style yokes and bypasses
- 7-cycle downflow brining control is efficient and reliable
- Injector/drain modules containing the brine valve, flow controls, and injector are removable from the valve's exterior
- Continuous service flow rate of 20 GPM
- Backwash capacity accommodates tanks up to 12" diameter
- Economical - very small annual power consumption; keeps time, and activates the piston/valve mechanics with a single motor

Options

- Fiber-reinforced polymer or stainless steel bypass valve
- Backwash filter
- Auxiliary switches
- Hot water up to 180°F for filters and non-metered control valves
- Choice of 7 or 12 day clock



Valve Specifications

Valve material	Lead-free brass*
Inlet/Outlet	3/4", 1" or 1-1/4"
Cycles	7

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
Max. backwash (25 psi drop)	7 GPM

Regeneration

Downflow/Upflow	Downflow only
Adjustable cycles	Brine fill only
Time available	180 minutes per cycle

Dimensions

Distributor pilot	1-1/20" O.D.
Drain line	1/2" NPTF
Injector brine system	1600
Brine line	3/8"
Mounting base	2-1/2" - 8 NPSM
Height from top of tank	7"

Typical Applications

Water softener	6" - 12" diameter
Filters	6" - 10" diameter

Additional Information

Electrical rating **	24 v, 110 v, 220 v - 50 Hz, 60 Hz
Estimated shipping weight	Time clock: 7 lbs.
Pressure	Hydrostatic: 300 psi Working: 20 - 125 psi
Temperature	34° - 110° F (cold water) 34° - 180° F (hot water)

* As defined in the U.S. EPA Safe Drinking Water Act

** 24 VAC Pentair Transformers:

115 VAC +/- 20% Input, 24 VAC Output
 230 VAC +/- 20% Input, 24 VAC Output