

5600 MECHANICAL CONTROL VALVE



TESTED and CERTIFIED by the WQA to NSF/ANSI Std. 44 for material safety, structural integrity and performance, NSF/ANSI Std. 372 for low lead and CSA B483.1



Restriction of Hazardous Substance Compliant

FEATURES • BENEFITS

- ◆ Fiber-reinforced polymer valve body for superior strength and durability, also non-corrosive and UV-resistant
- ◆ Continuous service flow rate of 20 GPM with backwash of 7 GPM
- ◆ Backwash capability accommodates softener tanks up to 12" and filters up to 10" in diameter
- ◆ Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment
- ◆ Time-tested, hydraulically-balanced piston for service and regeneration
- ◆ Designed with double backwash for reduced hardness leakage
- ◆ Rugged-built electromechanical timer designed with heavy-duty 3/8" wide plastic gears

CONFIGURATIONS • OPTIONS

- ◆ Filter or softener control valves
- ◆ Downflow regeneration
- ◆ Brine cam auxiliary switch
- ◆ Plumbing connections in 3/4" or 1" NPT, BSP, and sweat
- ◆ Fiber-reinforced polymer or stainless steel bypass valve
- ◆ "L"-style backplate
- ◆ Electromechanical 7- or 12-day time clock or meter delayed regeneration

TIMER OPTIONS

- ◆ **Electromechanical Timer** - Simple to adjust and easy to service with quick access to all internal components

VALVE SPECIFICATIONS

Valve Material	Fiber-reinforced polymer
Inlet/Outlet	3/4" or 1" NPT, BSP, Sweat
Cycles	7

FLOW RATES (50 PSI INLET) – VALVE ALONE

Continuous 15 psi drop	20 GPM (4.5 m ³ /h)
Peak 25 psi drop	26 GPM (5.9 m ³ /h)
Cv flow at 1 psi drop	5.0
Max. Backwash 25 psi drop	7 GPM (1.6 m ³ /h)

REGENERATION

Downflow/Upflow	Both
Adjustable Cycles	Brine fill only
Timers Available Electromechanical:	180 min/regeneration continuous moving piston

METER INFORMATION

Meter Accuracy 3/4" Paddle/Turbine:	0.25 - 15 GPM ± 5% (0.06 - 3 m ³ /h)
Meter Capacity Range 3/4" Standard:	125 - 2,125 gal (0.5 - 8 m ³)
3/4" Extended:	625 - 10,625 gal (2.5 - 40 m ³)

DIMENSIONS

Distributor Pilot	0.8125" or 1.05" O.D. (26.7 mm)
Drain Line	1/2" NPTF
Brine Valve 1600:	3/8"
Injector System	1600
Mounting Base	2.5" - 8 NPSM
Height from Top of Tank	7" (178 mm)
Riser Tube Diameter	3/4" (19 mm)
Riser Height	Flush with top of tank

TYPICAL APPLICATIONS

Water Softener	6 - 12" Diameter
Filters	8 - 10" Diameter based on 10 GPM/ft ²

ADDITIONAL INFORMATION

Electrical Rating	24/110/220 Volts 50/60Hz
Estimated Shipping Weight Time Clock: Metered Valve:	5 lbs (2.26 kg) 6 lbs (2.72 kg)
Pressure Hydrostatic:	300 psi (20 bar)
Working:	20 - 125 psi (1.4 - 8.5 bar)
Temperature Cold Water Valve:	34 - 110°F (1 - 43°C)



13845 Bishops Dr. | Suite 200 | Brookfield, WI 53005 | United States
P: 262.238.4400 | Customer Service: 800.279.9404 | tech-support@pentair.com | pentair.com

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