FLECK 5600
MECHANICAL CONTROL VALVE

ECONOMICAL, TIME-TESTED DESIGN

MADE IN THE USA
OF FOREIGN & DOMESTIC PARTS





FEATURES/BENEFITS

Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive, and UV-resistant

Continuous service flow rate of 20 GPM with a 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 system

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

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

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

TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 44 for Water Softener Performance.

TESTED and CERTIFIED by the WQA to NSF/ANSI Standard 372 for Lead Free Compliance.

Restriction of Hazardous Substance Compliant

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
Time Available Electromechanical	180 min/regeneration continuous moving piston

METER INFORMATION

Meter Accuracy 3/4" Paddle:	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	24/110/220V 50/60 Hz
Estimated Shipping Weight Time Clock:	5 lbs
Metered Valve:	6 lbs
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)

PENTAIR

pHorko
industrial water purification systems