

# 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 filter 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 co-current or upflow counter-current regeneration

Brine cam auxiliary switch

Plumbing connections in 3/4" to 1-1/4" 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

Swivel attachment for 360° rotation of power head

**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", 1", or 1-1/4" NPT/ BSP/Sweat
Cycles	7

## FLOW RATES (50 PSI INLET) – VALVE ALONE

Continuous 15 psi drop	20 GPM (4.5 m <sup>3</sup> /h)
Peak 25 psi drop	26 GPM (5.9 m <sup>3</sup> /h)
Cv flow at 1 psi drop	5.0
Max. Backwash 25 psi drop	7 GPM (1.6 m <sup>3</sup> /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 <sup>3</sup> /h)
Meter Capacity Range 3/4" Standard:	125 - 2,125 gal (0.5 - 8 m <sup>3</sup> )
3/4" Extended:	625 - 10,625 gal (2.5 - 40 m <sup>3</sup> )

## 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 <sup>2</sup>

## 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)



### FILTRATION & PROCESS

5730 NORTH GLEN PARK ROAD, MILWAUKEE, WI 53209  
P: 262.238.4400 | WWW.PENTAIRAQUA.COM | CUSTOMER CARE: 800.279.9404 | tech-support@pentair.com

All Pentair trademarks and logos are owned by Pentair, Inc. or its affiliates. All other registered and unregistered trademarks and logos are the property of their respective owners. Because we are continuously improving our products and services, Pentair reserves the right to change specifications without prior notice. Pentair is an equal opportunity employer.

40730 REV E JL14 © 2013 Pentair Residential Filtration, LLC. All Rights Reserved.