

# 255 RESIDENTIAL CONTROL VALVES



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

- ◆ Time-tested Duraflow flapper provides frictionless sealing for longer service life
- ◆ Fiber-reinforced polymer valve body for superior strength and durability, non-corrosive, and UV-resistant
- ◆ Optical sensor for precision cycle positioning
- ◆ Designed with double backwash for reduced hardness leakage
- ◆ Fully adjustable 5- or 8- cycle control for efficient and reliable water treatment system
- ◆ Continuous service flow rate of 15.5 GPM with a backwash of 6 GPM
- ◆ Backwash capability accommodates softener tanks up to 14"
- ◆ Designed for single or multiple tank systems
- ◆ Super capacitor for keeping time of day during power outage
- ◆ Environmental protective cover for water resistance, corrosion resistance, and UV stability
- ◆ Programming stored in memory and will not be lost due to power outages
- ◆ History data for valve performance

## CONFIGURATIONS • OPTIONS

- ◆ Softener control valves
- ◆ Fiber-reinforced polymer bypass valve
- ◆ Plumbing connections in .75"-1.25" NPT, BSP, and sweat
- ◆ Variable reserve for increased efficiency
- ◆ Auxiliary switch kits
- ◆ Timer wall mount kits

## TIMER OPTIONS

- ◆ **460TC** - Three simple settings for time clock control
- ◆ **460i** - Three simple settings for metered control
- ◆ **740** - Simple economic electronic time clock control
- ◆ **760** - Simple economic electronic meter control
- ◆ **742** - Professional-level time clock control with fully programmable cycle times and salt amount
- ◆ **762** - Professional-level metered control with fully programmable cycle times and salt amount
- ◆ **764** - Professional-level metered control with fully programmable cycle times and salt amount for multiple tank applications

## VALVE SPECIFICATIONS

Valve Body	Glass-filled thermoplastic
Rubber Components	Compounded for cold water
Weight	4lbs (1.8 kg)
Operating Pressure	20-120 psi (1.38-8.27 bar)
Canada:	20-100 psi (1.38-6.89 bar)
Hydrostatic Test Pressure	300 psi (20.69 bar)
Water Temperature	35°-100°F (2°-38°C)
Ambient Temperature*	35°-120°F (2°-48.9°C)

\*Recommend use of outdoor cover for direct sunlight applications

## ELECTRICAL

Controller	
Operating Voltage	12 volt- AC
Input Supply Frequency	50 or 60 Hz
Motor Input Voltage	12 volt- AC
Controller System	
Power Consumption	3 watts average

## TRANSFORMER- ALL CONTROLLERS

Transformer	
Output Voltage	12 volt- AC 400mA
Transformer	
Input Options	115 volt- AC 50/60 Hz 230 volt- AC 50/60 Hz 100 volt- AC 50/60 Hz
Transformer	
Plug Options	Indoor North American Plug Outdoor North American Plug Japanese Plug Taiwan/Korea Plug Australian Plug United Kingdom Plug Mainland Europe Plug

## VALVE CONNECTIONS

Tank Thread	2-1/2" - 8, male
Inlet/Outlet Manifold	1" NPT or BSPT, female; 3/4" NPT or BSPT, female; 3/4" NPT or BSPT, male (thermoplastic); 1/2" NPT or BSPT, male (thermoplastic)
Drain Line	1/2" (manifold dependent)
Brine Line	1/4" or 3/8" NPT, male; air check built into valve

## DIMENSIONS

Width	14.9" (37.8 cm)
Height	8.4" (21.3 cm)
Riser Tube Dia.	1.05" (27 mm) or 0.8125" (20.6 mm)
Riser Height	Above top of tank 1.125" (+/- 0.125")

## FLOW RATE

Service	
15 psi (1.03 bar) drop	15.5 gpm (3.52 m3/h)
Backwash	
25 psi (1.72 Bar) drop	6.0 gpm (1.36 m3/h)
Service	Cv = 3.99 (Kv = 3.4)
Backwash	Cv = 1.20 (Kv = 1.0)



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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