

AUTOTROL® 255 VALVE

RESIDENTIAL CONTROL VALVES

**MADE IN THE
USA**
OF FOREIGN & DOMESTIC PARTS



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" and filter up to 10" GPM in diameter

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

OPTIONS

Filter or 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

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.



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 61 Section 8 Material Safety Only.



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



Restriction of Hazardous Substance Compliant

VALVE SPECIFICATIONS

Valve Body	Glass-filled thermoplastic – NSF Listed material
Rubber Components	Compounded for cold water – NSF Listed material
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
Moter 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	
5 psi (1.03 bar) drop	15.5 gpm (3.52 m³/h)
Backwash	
25psi (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)



FILTRATION & PROCESS

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