

# AUTOTROL 255 VALVE

## RESIDENTIAL CONTROL VALVES



### 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

- 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 NFS/ANSI Standard 44 for Water Softener Performance.



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



Restriction of Hazardous Substance Compliant

## 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
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 Kingdown 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 m <sup>3</sup> /h)
Backwash	
25psi (1.72 Bar) drop	6.0 gpm (1.36 m <sup>3</sup> /h)
Service	Cv = 3.99 (Kv = 3.4)
Backwash	Cv = 1.20 (Kv = 1.0)



## WATER QUALITY SYSTEMS

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