

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

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 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 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 | |
| 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) |

