

AUTOTROL 255

RESIDENTIAL CONTROL VALVE



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 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 keeps time of day and stores memory in the event of power outages
- ◆ Environmental protective cover for water resistance, corrosion resistance, and UV stability
- ◆ Historical data on 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 OPTIONS

- ◆ **Easy-iQ** - Easy, intuitive controller with customizable software, quick start-up menu and field upgradeable. Includes all features of 740, 742, 760, and 762.
- ◆ **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

est. 1947

DUFF CO.



201 E Lafayette St
Norristown, PA 19401



610-275-4453



duffco.com



info@duffco.com

AUTOTROL 255

RESIDENTIAL CONTROL VALVE

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	8 watts average

TRANSFORMER - ALL CONTROLLERS

Transformer	
Output Voltage	12 volt- AC 400mA
Transformer	
Input Options	120 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 Australian Plug British Plug European 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)

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