

MAGNUM CONTROL VALVE



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, also non-corrosive and UV-resistant
- ◆ Optical sensor for precision cycle positioning
- ◆ Fully adjustable 3- or 5-cycle control for efficient and reliable water treatment system
- ◆ Continuous service flow rate of 76 GPM with a backwash of 89 GPM
- ◆ Backwash capability accommodates softener tanks up to 36" and filter up to 36" in diameter
- ◆ Designed for single or multiple tank systems
- ◆ Super capacitor for keeping time of day during power outage
- ◆ Programming stored in memory and will not be lost due to power outages
- ◆ Historical data for valve performance

CONFIGURATIONS • OPTIONS

- ◆ Filter or softener control valves
- ◆ Internal Autotrol turbine
- ◆ Variable reserve for increased efficiency
- ◆ Auxiliary switch kits
- ◆ Versatile top or side mount

TIMER OPTIONS

- ◆ **764** - Professional-level metered control with fully programmable cycle times and salt amount for multiple tank applications
- ◆ **742** - Professional-level time clock control with fully programmable cycle times and salt amount

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DUFF CO.



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MAGNUM CONTROL VALVE

FLOW RATES (VALVE ONLY)

Service @ 15 psi (1.03 bar) drop	76 gpm (17.3 m ³ /hr)
Backwash @ 25 psi (1.72 bar) drop	89 gpm (20.2 m ³ /hr)
Service	Cv = 19.5 (Kv = 17)
Backwash	Cv = 17.8 (Kv = 19.9)

VALVE CONNECTIONS

Tank Thread	4" 8 UN
Inlet/Outlet Threads	2": connections NPT or BSPT, female, CPVC
Brine Line	3/4" NPT
Drain Line*	1-1/2": connections for NPT or BSPT, female, CPVC
Riser Tube Dia.	1-1/2"
Riser Installation	Above top of tank 5/8" ± 1/8"
Pilot Drain & Auxiliary Hydraulic Output	1/4" tube fitting

*Valve installed drain flow controls available (5-40 gpm). If higher backwash flow is needed, an external flow control will be required.

SPECIFICATIONS/RATINGS

Valve Body	Thermoplastic
O-rings	EPDM
Injector	7 sizes available: 14, 16, 18, 21, 24, 30, 36
Working Pressure	25 psi - 100 psi (1.72 bar - 6.9 bar)
Water Temperature	35-100°F (2-38°C), 120°F (49°C) Ambient

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