

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

FLOW RATES (VALVE ONLY)

Service @ 15 psi (1.03 bar) drop	76 gpm (17.3 m3/hr)
Backwash @ 25 psi (1.72 bar) drop	89 gpm (20.2 m3/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

