

WS2H

WATER SPECIALIST 2" H CONTROL VALVE

shown with optional bypass valve



- **2" top mount or side mount control valve suited for commercial and industrial applications**
- **Lead free brass valve body and optional bypass valve**
- **Meter standard with all valves**
- **Service flow rate 125 gpm (473 lpm), Backwash flow rate 125 gpm (473 lpm)**
- **Solid state microprocessor with easy access front removable POD**
- **Front panel display for Time of Day, Current Flow Rate, Totalizer and Volume/Days until Regeneration**
- **Four methods to initiate the down flow regeneration; meter delayed, meter immediate, time clock delayed, or pressure differential**
- **Fully programmable regeneration cycle sequences (maximum 9)**
- **Fully programmable regeneration cycle times**
- **Treated water regenerant refill**
- **Days override feature; 1-28 days available**
- **Capacitor back-up with up to 24 hour power carry over**
- **24-volt output AC adapter provides safe and easy installation**
- **Reliable and proven DC drive**

Water Specialist 2" H Control Specifications

Inlet/Outlet (1)	2" FPT or 2.5" Victaulic
Cycles	up to 9
Valve Material	Lead free brass
Regeneration	downflow

FLOW RATES

Service @15 psi drop (includes meter)	125 gpm (473 lpm)
Backwash @ 25 psi drop	125 gpm (473 lpm)
Cv Service	32.3
Cv Backwash	25.0

OPERATING PRESSURES

Minimum/Maximum	20 - 125 psi
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OPERATING TEMPERATURES

Minimum/Maximum	40° - 110° F
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METER

Accuracy	± 5%
Flow Rate Range	1.5 - 125 gpm (5.7 - 473 lpm)
Volume Range	10 - 999,000 gallons (38 - 3,796.2 liters x1000)
Totalizer	1000 - 999,999,000 gallons

DIMENSIONS & WEIGHT

Distributor Pilot	
Valve Bodies with Female 2" NPT Inlet & Outlet	2.375" OD (2" NPS)
Valve Bodies with Female BSPT Inlet & Outlet	63mm OD
Drain Line	2" FPT or 2.5" Victaulic
Brine Line	1" MPT or ¾" x 1" solvent weld
Adapters Available	½" or ⅝" OD Poly Tube
Mounting Base	4" - 8 UN, 6" Flange or Side Mount
Height From Top Of Tank	11" (280mm)
Shipping Weight With Meter	50 lbs (22.7 Kg)

ELECTRICAL SPECIFICATIONS

	AC Adapter	
	U.S.	International
Supply Voltage	120V AC	230V AC
Supply Frequency	60 Hz	50Hz
Output Voltage	24V AC	24V AC
Output Current	750 mA	750mA

TANK APPLICATIONS

Water Softener	18" - 63" Diameter
Water Filter (2)	18" - 48" Diameter

CYCLES OF OPERATION

Choose up to nine regeneration cycles, in any order, with a wide range of available values:

Cycle	Range of values
Backwash	1 - 95 minutes
Brine (draw)	1 - 180 minutes
Slow Rinse	1 - 95 minutes
Fast Rinse	1 - 95 minutes
Refill	0.1 - 99 minutes
Hold (service)	1 - 480 minutes

Options: Backwash Filter

Compatible with the following typical concentrations of regenerants or chemicals: Sodium chloride, potassium chloride, potassium permanganate, sodium bisulfite, chlorine and chloramines

1. See Distributor Pilot.

2. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area