

Control Valves, Fittings and Accessories

INTERNATIONAL



WS2H*
473 lpm
125 gpm



WS2CI
435 lpm
115 gpm



WS2EI
435 lpm
115 gpm



WS1.5CI
227 lpm
60 gpm



WS1.5EI
227 lpm
60 gpm



WS1.25*
129 lpm
34 gpm



WS1.25CI*
129 lpm
34 gpm



WS1.25EI*
129 lpm
34 gpm



WS1.25TC*
129 lpm
34 gpm



WS1*
102 lpm
27 gpm



WS1CI*
102 lpm
27 gpm



WS1EI*
102 lpm
27 gpm



WS1TC*
102 lpm
27 gpm

*Valves shown with optional bypass.

1" WATER SPECIALIST VALVE SPECIFICATIONS

INTERNATIONAL



SPECIFICATIONS

WS1 - USA ONLY

WS1CI

Service @ 1 bar/15 psi drop	102 lpm (includes meter and bypass)	102 lpm (includes meter and bypass)
Backwash @ 1.7 bar/25 psi drop	102 lpm (includes bypass)	102 lpm (includes bypass)
Tank Applications:		
Softener	6" - 21" diameter	6" - 21" diameter
Filter (1)	6" - 21" diameter	6" - 21" diameter
Inlet/Outlet	3/4" - 1.25" Male BSPT	3/4" - 1.25" Male BSPT
Fitting Connections	3/4" - 1.5" Sweat 3/4" - 1.5" Solvent	3/4" - 1.5" Sweat 3/4" - 1.5" Solvent
Valve Material	Noryl (2)	Noryl (2)
Cycles	Up to 6	Up to 9
Regeneration	Downflow/Upflow	Downflow/Upflow
Operating Pressures	1.4 - 8.6 bar	1.4 - 8.6 bar
Operating Temperatures	4° - 43° C	4° - 43° C
Meter:		
Flow Rate Range	0.95 - 102 lpm	1 - 102 lpm
Volume Range (cubic meters)	.07 - 189m ³	.10 - 2000.0m ³
Totalizer	Yes	Yes
Distributor Pilot	1.050 O.D. Pipe	1.050 O.D. Pipe
Drain Line Connection	3/4" Male NPT Standard 1" Male NPT Optional	3/4" Male NPT Standard 1" Male NPT Optional
Brine Line Connection	3/8" or 1/2" O.D. Poly Tube Compression	3/8" or 1/2" O.D. Poly Tube Compression
Mounting Base Options	2 1/2" - 8 NPSM	2 1/2" - 8 NPSM
Height From Top of Tank	187mm	187mm
Shipping Weight	2 Kg	2 Kg
Electrical:		
Supply Voltage	230V AC	230V AC
Supply Frequency	50 Hz	50 Hz
Output Voltage	12V AC	12V AC
Output Current	500 mA	500 mA

1. Filter tank size calculated @ 407 lpm per m² of bed area/10 gpm of backwash per square foot of bed area
2. Noryl is a trademark of Sabic Innovative Plastics IP B.V. Company

1" WATER SPECIALIST VALVE SPECIFICATIONS



WS1EI

WS1TC

<p>102 lpm (includes meter and bypass) 102 lpm (includes bypass)</p>	<p>102 lpm (includes meter and bypass) 102 lpm (includes bypass)</p>
<p>6" - 21" diameter 6" - 21" diameter</p>	<p>6" - 21" diameter 6" - 21" diameter</p>
<p>3/4" - 1.25" Male BSPT 3/4" - 1.5" Sweat 3/4" - 1.5" Solvent</p>	<p>3/4" - 1.25" Male BSPT 3/4" - 1.5" Sweat 3/4" - 1.5" Solvent</p>
<p>Noryl (2) Up to 6 Downflow</p>	<p>Noryl (2) Up to 6 Downflow</p>
<p>1.4 - 8.6 bar 4° - 43° C</p>	<p>1.4 - 8.6 bar 4° - 43° C</p>
<p>0.95 - 102 lpm .07 - 189m³ Yes</p>	<p>Not Applicable</p>
<p>1.050 O.D. Pipe</p>	<p>1.050 O.D. Pipe</p>
<p>3/4" Male NPT Standard 1" Male NPT Optional</p>	<p>3/4" Male NPT Standard 1" Male NPT Optional</p>
<p>3/8" or 1/2" O.D. Poly Tube Compression</p>	<p>3/8" or 1/2" O.D. Poly Tube Compression</p>
<p>2 1/2" - 8 NPSM</p>	<p>2 1/2" - 8 NPSM</p>
<p>187mm</p>	<p>187mm</p>
<p>2 Kg</p>	<p>2 Kg</p>
<p>230V AC 50 Hz 12V AC 500 mA</p>	<p>230V AC 50 Hz 12V AC 500 mA</p>

Valves shown with optional bypass.

1.25" WATER SPECIALIST VALVE SPECIFICATIONS

INTERNATIONAL



SPECIFICATIONS

WS1.25 - USA ONLY

WS1.25CI

Service @ 1 bar/15 psi drop
Backwash @ 1.7 bar/25 psi drop

129 lpm (includes meter and bypass)
121 lpm (includes bypass)

129 lpm (includes meter and bypass)
121 lpm (includes bypass)

Tank Applications:
Softener
Filter (1)

6" - 21" diameter
6" - 24" diameter

6" - 21" diameter
6" - 24" diameter

Inlet/Outlet
Fitting Connections

3/4" - 1.25" Male BSPT
3/4" - 1.5" Sweat
3/4" - 1.5" Solvent

3/4" - 1.25" Male BSPT
3/4" - 1.5" Sweat
3/4" - 1.5" Solvent

Valve Material
Cycles
Regeneration

Noryl (2)
Up to 6
Downflow

Noryl (2)
Up to 9
Downflow

Operating Pressures
Operating Temperatures

1.4 - 8.6 bar
4° - 43° C

1.4 - 8.6 bar
4° - 43° C

Meter:

Flow Rate Range
Volume Range (cubic meters)
Totalizer

0.95 - 129 lpm
.500 - 250.0m³
Yes

1 - 129 lpm
.10 - 2000.0m³
Yes

Distributor Pilot

32mm O.D. Pipe

32mm O.D. Pipe

Drain Line Connection

3/4" Male NPT Standard
1" Male NPT Optional

3/4" Male NPT Standard
1" Male NPT Optional

Brine Line Connection

3/8" or 1/2" O.D.
Poly Tube Compression

3/8" or 1/2" O.D.
Poly Tube Compression

Mounting Base Options

2-1/2" - 8 NPSM

2-1/2" - 8 NPSM

Height From Top of Tank

187mm

187mm

Shipping Weight w/Meter

2 Kg

2 Kg

Electrical:

Supply Voltage
Supply Frequency
Output Voltage
Output Current

230V AC
50 Hz
12V AC
500 mA

230V AC
50 Hz
12V AC
500 mA

1. Filter tank size calculated @ 407 lpm per m² of bed area/10 gpm of backwash per square foot of bed area
2. Noryl is a trademark of Sabic Innovative Plastics IP B.V. Company

1.25" WATER SPECIALIST VALVE SPECIFICATIONS



WS1.25EI

WS1.25TC

<p>129 lpm (includes meter and bypass) 121 lpm (includes bypass)</p>	<p>129 lpm (includes bypass) 121 lpm (includes bypass)</p>
<p>6" - 21" diameter 6" - 24" diameter</p>	<p>6" - 21" diameter 6" - 24" diameter</p>
<p>3/4" - 1.25" Male BSPT 3/4" - 1.5" Sweat 3/4" - 1.5" Solvent</p>	<p>3/4" - 1.25" Male BSPT 3/4" - 1.5" Sweat 3/4" - 1.5" Solvent</p>
<p>Noryl (2) Up to 6 Downflow</p>	<p>Noryl (2) Up to 6 Downflow</p>
<p>1.4 - 8.6 bar 4° - 43° C</p>	<p>1.4 - 8.6 bar 4° - 43° C</p>
<p>.95 - 129 lpm .0500 - 250.0m³ Yes</p>	<p>Not Applicable</p>
<p>32mm O.D. Pipe</p>	<p>32mm O.D. Pipe</p>
<p>3/4" Male NPT Standard 1" Male NPT Optional</p>	<p>3/4" Male NPT Standard 1" Male NPT Optional</p>
<p>3/8" or 1/2" O.D. Poly Tube Compression</p>	<p>3/8" or 1/2" O.D. Poly Tube Compression</p>
<p>2-1/2" - 8 NPSM</p>	<p>2-1/2" - 8 NPSM</p>
<p>187mm</p>	<p>187mm</p>
<p>2 Kg</p>	<p>2 Kg</p>
<p>230V AC 50 Hz 12V AC 500 mA</p>	<p>230V AC 50 Hz 12V AC 500 mA</p>

Valves shown with optional bypass.

1.5" WATER SPECIALIST VALVE SPECIFICATIONS

INTERNATIONAL



SPECIFICATIONS

WS1.5CI

WS1.5EI

Service @ 1 bar/15 psi drop Backwash @ 1.7 bar/25 psi drop	227 lpm (includes meter) 189 lpm	227 lpm (includes meter) 189 lpm
Tank Applications: Softener Filter (1)	12" - 24" diameter 12" - 30" diameter	12" - 24" diameter 12" - 30" diameter
Inlet/Outlet Fitting Connections	1.5" Female BSPT or NPT	1.5" Female BSPT or NPT
Valve Material Cycles Regeneration	Lead Free Brass Up to 9 Downflow	Lead Free Brass Up to 6 Downflow
Operating Pressures Operating Temperatures	1.4 - 8.6 bar 4° - 43° C	1.4 - 8.6 bar 4° - 43° C
Meter: Flow Rate Range Volume Range Totalizer	2 - 284 lpm 0.02 - 5700 m ³ Yes	2 - 284 lpm 0.02 - 5700 m ³ Yes
Distributor Pilot	50mm O.D. or 1.90" O.D. Pipe	50mm O.D. or 1.90" O.D. Pipe
Drain Line Connection	1.25" Female NPT with 3/4" Male NPT Standard 1" Male NPT Optional	1.25" Female NPT with 3/4" Male NPT Standard 1" Male NPT Optional
Brine Line Connection	3/4" Female NPT 1/2" O.D. Poly Tube Compression	3/4" Female NPT 1/2" O.D. Poly Tube Compression
Mounting Base Options	4" - 8 UN	4" - 8 UN
Height From Top of Tank	191mm	191mm
Shipping Weight w/Meter	9.5 Kg	9.5 Kg
Electrical: Supply Voltage Supply Frequency Output Voltage Output Current	230V AC 50 Hz 12V AC 500 mA	230V AC 50 Hz 12V AC 500 mA

1. Filter tank size calculated @ 407 lpm per m² of bed area/10 gpm of backwash per square foot of bed area
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2" WATER SPECIALIST VALVE SPECIFICATIONS



WS2CI

WS2EI

WS2H

435 lpm (includes meter) 303 lpm	435 lpm (includes meter) 303 lpm	473 lpm (includes meter) 473 lpm
12" - 48" diameter 12" - 36" diameter	12" - 48" diameter 12" - 36" diameter	18" - 63" diameter 18" - 48" diameter
2" Female BSPT or NPT	2" Female BSPT or NPT	2" Female BSPT or NPT/ 2.5" Groove Lock
Lead Free Brass Up to 9 Downflow	Lead Free Brass Up to 6 Downflow	Lead Free Brass Up to 9 Downflow
1.4 - 8.6 bar 4° - 43° C	1.4 - 8.6 bar 4° - 43° C	1.4 - 8.6 bar 4° - 43° C
5.7 - 568 lpm 0.02 - 5700 m ³ Yes	5.7 - 568 lpm 0.02 - 5700 m ³ Yes	5.7 - 473 lpm 38 - 3796.2 liters x 1000 Yes
50mm O.D. or 1.90" O.D. Pipe	50mm O.D. or 1.90" O.D. Pipe	63mm O.D. or 2.375" O.D. Pipe
1.5" Female NPT	1.5" Female NPT	2" Female NPT/ 2.5" Groove Lock
1" Male NPT elbow 3/4" x 1" Solvent elbow 1/2" O.D. Poly Tube Compression	1" Male NPT elbow 3/4" x 1" Solvent elbow 1/2" O.D. Poly Tube Compression	1" Male NPT elbow 3/4" x 1" Solvent elbow
4" - 8 UN	4" - 8 UN	<i>Quick Disconnect</i> 4" - 8 UN or 6" Flange or Side Mount
216mm	216mm	280mm
13 Kg	13 Kg	22.7 Kg
230V AC 50 Hz 12V AC 500 mA	230V AC 50 Hz 12V AC 500 mA	230V AC 50 Hz 24V AC 750 mA

1" & 1.25" Control Valve Fittings and Accessories



1" & 1.25" Control Valve Fittings and Accessories



1" & 1.25" Control Valve Fittings and Accessories

1" & 1.25"
Motorized Alternating Valve



Order No. V3069FF • F x F

1" & 1.25"
Motorized Alternating Valve



Order No. V3069MM • M x M

1" & 1.25"
No Hard Water Bypass Valve



Order No. V3070FF • F x F

1" & 1.25"
No Hard Water Bypass Valve



Order No. V3070FM • F x M

1" & 1.25" Control Valve Fittings and Accessories



