

# INTERNATIONAL

## Control Valves, Fittings and Accessories



**WS2\***  
472 lpm  
125 gpm



**WS2LEI**  
284 lpm  
75 gpm



**WS1.5EI\***  
227 lpm  
60 gpm



**WS1.25CI\***  
129 lpm  
34 gpm



**WS1\***  
102 lpm  
27 gpm



**WS1TC\***  
102 lpm  
27 gpm

\*shown with optional meter and bypasses

# Clack Corporation



# Water Specialist Valve Comparison Chart

## INTERNATIONAL

	WS1	WS1TC	WS1.25CI	WS1.5EI	WS2LEI	WS2
<b>Service Flow @ 15 psi drop</b>	102 lpm	102 lpm	129 lpm	227 lpm	284 lpm	473 lpm
<b>Backwash @ 25 psi drop</b>	102 lpm	102 lpm	121 lpm	189 lpm	189 lpm	473 lpm
<b>Tank Applications:</b>						
<b>Softener</b>	6" – 22"	6" – 22"	6" – 22"	12" – 24"	12" – 24"	18" – 63"
<b>Filter (1)</b>	6" – 22"	6" – 22"	6" – 24"	12" – 30"	12" – 30"	18" – 48"
<b>Inlet/Outlet Fitting Connections</b>	1" – 1.25" BSPT 3/4" – 1.5" Sweat 3/4" – 1.5" Solv.	1" – 1.25" BSPT 3/4" – 1.5" Sweat 3/4" – 1.5" Solv.	1" – 1.25" BSPT 3/4" – 1.5" Sweat 3/4" – 1.5" Solv.	1.5" FPT	2" FPT	2" FPT 2.5" groove lock
<b>Valve Material</b>	Noryl (2)	Noryl (2)	Noryl (2)	Lead Free Brass	Lead Free Brass	Lead Free Brass
<b>Cycles Regeneration</b>	Up to 6 Downflow/ Upflow	Up to 6 Downflow	Up to 9 Downflow	Up to 6 Downflow	Up to 6 Downflow	Up to 9 Downflow
<b>Operating Pressures</b>	1.4 – 8.6 bar	1.4 – 8.6 bar	1.4 – 8.6 bar	1.4 – 8.6 bar	1.4 – 8.6 bar	1.4 – 8.6 bar
<b>Operating Temperatures</b>	4° – 30° C	4° – 43° C	4° – 43° C	4° – 43° C	4° – 43° C	4° – 43° C
<b>Meter:</b>						
<b>Flow Rate Range</b>	0.95 – 102 lpm	Not Applicable	1 – 129 lpm	2 – 227 lpm	5.7 – 284 lpm	5.7 – 473 lpm
<b>Volume Range (gallons)</b>	.07 – 189m <sup>3</sup>		.02 – 325.0m <sup>3</sup>	1.000 – 500.0m <sup>3</sup>	1.000 – 500.0m <sup>3</sup>	.03 – 3781.626m <sup>3</sup>
<b>Totalizer</b>	Yes		Yes	Yes	Yes	Yes
<b>Distributor Pilot</b>	1.050 O.D.	1.050 O.D.	32mm O.D.	50mm O.D.	50mm O.D.	63mm O.D.
<b>Drain Line</b>	3/4" Standard 1" Optional	3/4" Standard 1" Optional	3/4" Standard 1" Optional	1.25" FPT with 3/4" Standard 1" Optional	1.25" FPT with 3/4" Standard 1" Optional	2" FPT 2.5" groove lock
<b>Brine Line</b>	3/8" or 1/2" O.D. Poly Tube	3/8" or 1/2" O.D. Poly Tube	3/8" or 1/2" O.D. Poly Tube	1/2" or 5/8" O.D. Poly Tube	1/2" or 5/8" O.D. Poly Tube	1" MPT 1" or 3/4" Solv.
<b>Mounting Base Options</b>	• 2-1/2" – 8 NPSM	• 2-1/2" – 8 NPSM	• 2-1/2" – 8 NPSM	• 4" – 8 UN	• 4" – 8 UN  <i>Quick Disconnect</i> • 4" – 8 UN • 6" Flange	<i>Quick Disconnect</i> • 4" – 8 UN • 6" Flange • Side Mount
<b>Height From Top of Tank</b>	187mm	187mm	187mm	191mm	191mm/216mm	279mm
<b>Shipping Weight w/Meter</b>	2 Kg	2 Kg	2 Kg	9.5 Kg	10.9 Kg	22.7 Kg
<b>Electrical:</b>						
<b>Supply Voltage</b>	230V AC	230V AC	230V AC	230V AC	230V AC	230V AC
<b>Supply Frequency</b>	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz	50 Hz
<b>Output Voltage</b>	12V AC	12V AC	12V AC	12V AC	12V AC	24V AC
<b>Output Current</b>	500 mA	500 mA	500 mA	500 mA	500 mA	750 mA

1. Filter tank size calculated @ 10 gpm per square foot of bed area
2. Noryl is a trademark of General Electric



shown with optional meter and bypasses

# WS1 and WS1.25 Control Valve Fittings

1" PVC Male NPT Elbow Assembly



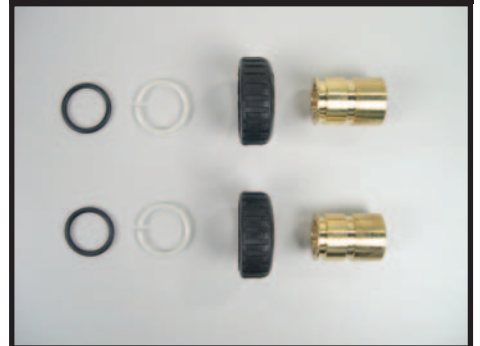
Order No. V3007

3/4" x 1" PVC Solvent Elbow Assembly



Order No. V3007-01

1" Brass Sweat Assembly



Order No. V3007-02

3/4" Brass Sweat Assembly



Order No. V3007-03

1" Plastic Male NPT Assembly



Order No. V3007-04

1.25" Plastic Male NPT Assembly



Order No. V3007-05

1" Plastic Male BSPT Assembly



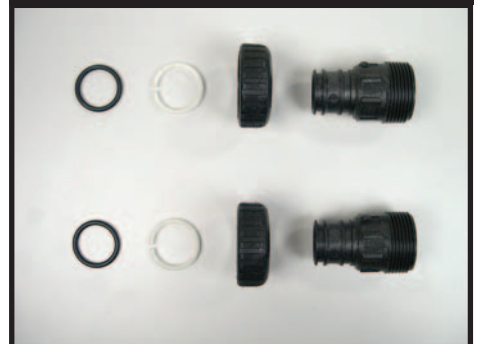
Order No. V3007-06

1.25" & 1.5" PVC Solvent Assembly



Order No. V3007-07

1.25" Plastic Male BSPT Assembly



Order No. V3007-08



1.25" & 1.5" Brass Sweat Assembly



Order No. V3007-09



# Control Valve Accessories

**Bypass**



**Order No. V3006**

**1" Straight DLFC w/Silencer**



**Order No. V3008-02**

**1" M x M Straight DLFC**



**Order No. V3008-03**

**1" Straight DLFC without Silencer**



**Order No. V3008-04**

**Auxiliary Switch Kit**



**Order No. V3009**

**Vertical 90° Adapter Kit**



**Order No. V3191-01**

**Weather Covers**



**V3175WC-W • V3175WC-A**

**Wrench**



**Order No. V3193-01**

**2" Drain Line Flow Control**



**Order No. V3051**

**1.5" Meter Assembly**



**V3040-15  
V3040BSPT-15**

**2" Meter Assembly**



**V3050**