

1" WATER SPECIALIST VALVE SPECIFICATIONS



SPECIFICATIONS	WS1 WS1CS	WS1EE WS1SD/SP	WS1TC
Service @ 15 psi drop	27 gpm (includes meter and bypass)	27 gpm (includes meter and bypass)	27 gpm (includes bypass)
Backwash @ 25 psi drop	27 gpm (includes bypass)	27 gpm (includes bypass)	27 gpm (includes bypass)
Tank Applications:			
Softener	6" - 21" diameter	6" - 21" diameter	6" - 21" diameter
Filter (1)	6" - 21" diameter	6" - 21" diameter	6" - 21" diameter
Inlet/Outlet Fitting Connections	1" - 1.25" NPT ¾" - 1.5" Sweat ¾" - 1.5" Solvent ¾" - 1" SharkBite®	1" - 1.25" NPT ¾" - 1.5" Sweat ¾" - 1.5" Solvent ¾" - 1" SharkBite®	1" - 1.25" NPT ¾" - 1.5" Sweat ¾" - 1.5" Solvent ¾" - 1" SharkBite®
Valve Material	Noryl (2)	Noryl (2)	Noryl (2)
Cycles Regeneration	Up to 6 Downflow/Upflow	Up to 6 Downflow/Upflow	Up to 6 Downflow
Operating Pressures	20 - 125 psi	20 - 125 psi	20 - 125 psi
Operating Temperatures	40° - 110° F	40° - 110° F	40° - 110° F
Meter:			
Flow Rate Range	0.25 - 27 gpm	0.25 - 27 gpm	Not Applicable
Volume Range (gallons)	20 - 50,000 gallons	20 - 1,500,000 gallons	
Totalizer	Yes	Yes	
Distributor Pilot	1.050" O.D. Pipe ¾" NPS	1.050" O.D. Pipe ¾" NPS	1.050" O.D. Pipe ¾" NPS
Drain Line Connection	¾" Male NPT Standard 1" Male NPT Optional	¾" Male NPT Standard 1" Male NPT Optional	¾" Male NPT Standard 1" Male NPT Optional
Brine Line Connection	⅜" or ½" O.D. Poly Tube Compression	⅜" or ½" O.D. Poly Tube Compression	⅜" or ½" O.D. Poly Tube Compression
Mounting Base Options	2½" - 8 NPSM	2½" - 8 NPSM	2½" - 8 NPSM
Height From Top of Tank	7⅝"	7⅝"	7⅝"
Shipping Weight	4.5 lbs.	4.5 lbs.	4.5 lbs.
Electrical:			
Supply Voltage	120V AC	120V AC, 6AA NMHB or 6 "D" Alkaline	120V AC
Supply Frequency	60 Hz	60 Hz	60 Hz
Output Voltage	12V AC	12V AC	12V AC
Output Current	500 mA	500 mA	500 mA

1. Filter tank size calculated @ 10 gpm of backwash per square foot of bed area
2. Noryl is a trademark of Sabic Innovative Plastics IP B.V. Company
3. Acquired by use of external drain line flow control



(317) 346-4110

www.drainagesolutionsinc.com