

Water SOFTENERS

Conventional Style Water Softener



Prefer the look of a separate brine tank?
Have larger applications?

- ➔ Residential to commercial sizes available.
- ➔ The Clack WS1 electronic metered valve. The most technologically advanced valve available
- ➔ Solid-state microprocessor with push-button simplicity on front panel
- ➔ Stores system configuration and operating data -even in the event of a power outage
- ➔ Adjustable regeneration cycle times
- ➔ Modular design is extremely easy to service -no screws or bolts
- ➔ Salt sits dry in tank until 4 hours prior to regeneration. Valve fills the tank with filtered water at 10 pm on night of regeneration. Regeneration occurs 4 hours later at 2 am. This keeps the salt & tank cleaner! Eliminates salt bridging!
- ➔ C-249 resin. The highest quality softening resin available.

The system includes:

High-impact Structural fiberglass tank, Clack backwashing valve with bypass, turbulator, under-bed, softening resin, plastic brine tank & 120 Lbs. salt pellets

Fleck mechanical timer or metered valve available.

Specification for Conventional Water Softener with the WS1 Valve

Tank Size:		9 X 48"	10 X 54"	12 X 48"	13 X 54"	14 X 65"
Grains Capacity: * (Per Salt Setting)	Maximum	32,000	48,000	64,000	80,000	110,000
	Medium	30,000	45,000	60,000	75,000	105,000
	Minimum	24,000	36,000	48,000	60,000	84,000
Cubic Ft. of Media:		1.00	1.50	2.00	2.50	3.50
Approx. Lbs of Media:		50	75	100	125	150
Service Flow**:		9	12 GPM	13 GPM	18 GPM	22 GPM
Backwash Flow:		2.4	3.0 GPM	5.0 GPM	5.0 GPM	7.0 GPM
Maximum Iron:***		1.0 ppm	1.0 ppm	1.0 ppm	1.0 ppm	1.0 ppm
Minimum pH:***		7.0	7.0	7.0	7.0	7.0
Water Pressure (PSI):		25-100	25-100	25-100	25-100	25-100
Electrical Requirements: (Volts/hertz)		110-50/60				
Inlet/outlet:		Choice between ¾ x 1" slip elbows or 1" Male NPT				
Total Dimensions:	Filter Tank:	9"W X 56" H	10"W X 62" H	12"W X 56" H	13"W X 62" H	10"W X 73" H
	Brine Tank:	18"W X 33" H	18"W X 33" H	18"W X 33" H	18"W X 33" H	18"W X 33" H

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Tank Size:		10 X 54"	12 X 48"	13 X 54"	14 X 65"
Grains Capacity: * (Per Salt Setting)	Maximum	48,000	64,000	80,000	110,000
	Medium	45,000	60,000	75,000	105,000
	Minimum	36,000	48,000	60,000	84,000
Cubic Ft. of Media:		1.50	2.00	2.50	3.50
Approx. Lbs of Media:		75	100	125	150
Service Flow**:		12 GPM	13 GPM	18 GPM	22 GPM
Backwash Flow:		2.4 GPM	3.5 GPM	4.0 GPM	5.0 GPM
Maximum Iron:***		1.0 ppm	1.0 ppm	1.0 ppm	1.0 ppm
Minimum pH:***		7.0	7.0	7.0	7.0
Water Pressure (PSI):		25-100	25-100	25-100	25-100
Electrical Requirements: (Volts/hertz)		110-50/60			
Inlet/outlet:		1" throughout valve			
Total Dimensions:	Filter Tank:	10"W X 62" H	12"W X 56" H	13"W X 62" H	10"W X 73" H
	Brine Tank:	18"W X 33" H	18"W X 33" H	18"W X 33" H	18"W X 33" H

*The valve comes set at medium setting.

** Service flow rates are to be used only as a guideline.

***These are suggestions. Per application. Iron must be in ferrous form (Clear water iron).

A "Cabinet" model water softener is also available if space is an issue!

Specification for Cabinet Model Water Softener		
Tank Size:	Cabinet Style with 10 X 35" Filter Tank inside	
Grains Capacity: * (Per Salt Setting)	Maximum	32,000
	Medium	30,000
	Minimum	24,000
Cubic Ft. of Media:	1.00	
Approx. Lbs of Media:	50	
Service Flow**:	9 GPM	
Backwash Flow:	2.4 GPM	
Maximum Iron:***	1.0 ppm	
Minimum pH:***	7.0	
Water Pressure (PSI):	25-100	
Electrical Requirements: (Volts/hertz)	110-50/60	
Inlet/outlet:	1" bypass	
Cabinet Dimensions:	14"W X 24.5"L X 43" H (Length includes bypass)	

14" wide, 24.5" long & 43" tall!!



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