

For Residential and Light Commercial Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series PWSR

Residential and Light Commercial Water Softeners

Connection Size: 1" (25mm)
Flow Rate: Up to 23 gpm (87 lpm)

The Series PWSR water softeners are designed for residential and light commercial use applications ranging from 30,000 to 90,000 grains of hardness removal capacity at flow rates up to 23 gallons per minute.

Features

- Complete whole house water treatment system
- State-of-the-art computer programming to increase efficiency, save salt and water
- Uses downflow regeneration
- Demand regeneration for highest efficiency
- Engineered and tested to perform, one of the most reliable valve platforms in the industry
- Weather resistant enclosures
- Full flow bypass valve included

PWSR Series Control Valve

Manufactured from high-tech materials, the PWSR Series valve has been engineered and tested to perform in the most demanding environments. It has built a reputation of being one of the most reliable valve platforms in the industry. All surfaces contacted by water are made from 100 % polymer components so that corrosion from acidic water and brine are no longer a concern.

Electronic Control

The PWSR Series valve features an advanced electronic control for easy programming. Adjustable brining, adjustable reserve, high efficiency regeneration and simplified programming are now standard.

Softening Media

The exchange media is a high-capacity cation polystyrene resin that combines high operating capacity with excellent chemical and physical stability for long, dependable life.

Resin Tank

Features a non-corrosive fiberglass tank with thermoplastic inner liner.

PURE WATER



PWSR Series Softeners

Brine Tank / Cabinet

The brine tank is a combination brine maker and salt storage vessel and is made of tough, corrosion free high-density polyethylene. Brine refill is controlled by the advanced electronic controller, to provide the correct amount of brine for each regeneration.

⚠ WARNING

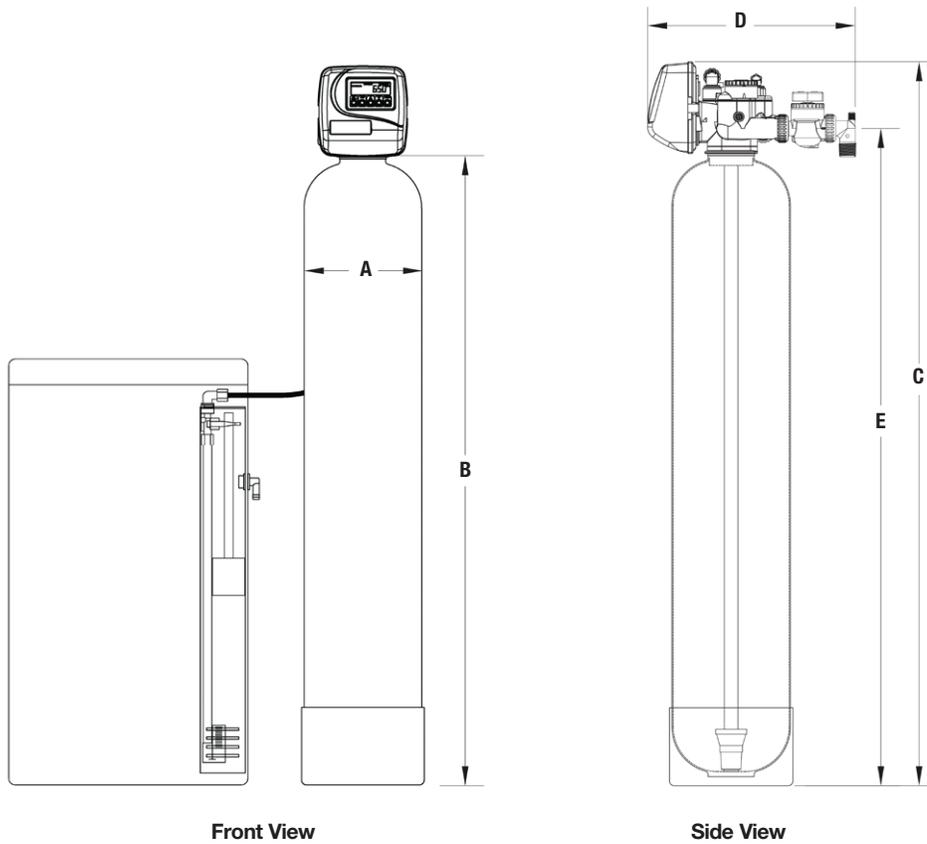
Do not use with water that is microbiologically unsafe or of unknown quality without adequate disinfection before or after the system.

NOTICE

This Submittal is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.

PWSR

	PWSR130	PWSR145	PWSR160	PWSR190
Max/Min Ion Exchange Capacity	30,000/20,000	45,000/30,000	60,000/40,000	90,000/60,000
Lbs of salt required for Max/Min capacity	15-6	22.5-9	30-12	45-18
Salt Storage Capacity	350	350	350	400
Flow Rate in GPM @ 15 PSI Drop	9 - 12	12 - 16	15 - 20	18 - 23
Backwash Flow Rate GPM	2.2	2.7	3.5	4.2
Drain Line Connection Size	3/4" NPT	3/4" NPT	3/4" NPT	3/4" NPT
Inlet/Outlet Pipe Size	1"	1"	1"	1"
Electrical Requirements	120v60Hz	120v60Hz	120v60Hz	120v60Hz
Mineral Tank Size D X H	9" X 48"	10" x 54"	12" x 52"	14" x 65"
Brine Tank Size D X H	18" x 36"	18" x 36"	18" x 36"	18" x 40"
Floor space required in inches W x D	31" x 19"	32" x 19"	34" x 19"	35" x 19"
Approximate Shipping Weight Lbs	110	130	190	265



NOTES:

Input water conditions will influence the performance and flow rate of the system.

All units come standard with 1" bypass

All units are shipped from factory set at minimum capacity and minimum salt usage to afford a 40% salt savings.

If iron content is up to 1 PPM use resin cleaner regularly. Iron over 1 PPM should be pre-treated.

Dimensions

MODEL NO.	MINERAL TANK		INLET		OUTLET		OVERALL HEIGHT		OVERALL DEPTH		BRINE TANK	
	(A & B)		E		E		C		D			
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
PWSR130	9 x 48	229 x 1219	50.6	1285	50.6	1285	57.75	1416	16	406	18 x 36	457 x 914
PWSR145	10 x 54	254 x 1372	56.75	1441	56.75	1441	62	1575	16	406	18 x 36	457 x 914
PWSR160	12 x 52	305 x 1321	55	1397	55	1397	60	1524	16	406	18 x 36	457 x 914
PWSR190	14 x 65	356 x 1651	67	1702	67	1702	72	1834	16	406	18 x 40	457 x 1016



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