

For Light Commercial Applications

Job Name _____
 Job Location _____
 Engineer _____
 Approval _____

Contractor _____
 Approval _____
 Contractor's P.O. No. _____
 Representative _____

Series PWSHW
POU (Point of Use) Hot Water
Water Softener

Connection Size: 1" (25mm)
Flow Rate: Up to 9 gpm (34 lpm)

Our PWSHW Series hot water water softeners are designed for POU (Point of Use) light commercial applications with hot water supply up to 150°F (hot-beverage systems, light commercial dish washers and other appliances) up to 9 gallons per minute peak flow rate.

Features

- Economical
- Top quality components
- Fully assembled and ready for installation
- Capacities up to 30,000 grains
- User friendly 4650 control valve
- Brine tanks with safety floats and grid plate on 30K model
- 1" plumbing connections
- Includes Stainless Steel By-Pass Valve

Softening Media

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

4650 Series Control Valve

The 4650 series hot water control valve has enjoyed years of continuous service in the water treatment industry. Valve body is constructed from lead-free brass for superior strength and durability. It is one of the longest running valve series on the market today. We use a timer initiated regeneration so that your system regenerates only when necessary with an accurately measured amount of sodium to conserve water and salt. The valve combines simplicity and durability all in one.

Resin Tank

Features a non-corrosive chemical resistant vinylester constructed fiberglass tank.

Brine Tank/Cabinet

The brine tank is a combination brine maker and salt storage vessel that is made of tough corrosion free polyethylene and comes with a safety float to guard against brine tank overflow issues.



Series PWSHW

Feed Water Guidelines

pH	6 to 10
Hardness (maximum)	Depends on customers acceptable hardness leakage level.
Water Pressure.	25psi to 125psi (171 kPa to 8.5 bar)
Temperature.	34°F- 150°F (1°C - 65°C)
Free Chlorine (maximum)	1mg/L
Iron (maximum).	1mg/L
Oil and H2S	None Allowed
Turbidity	Less than 5.0 NTU

*** For all other guideline information please contact your Watts representative.**

Note: Capacities are based on resin manufacturer's data and are dependent on influent water TDS, temperature, bed depth, and flow rates. Feed water must be free of oil and color.

⚠ WARNING

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

NOTICE

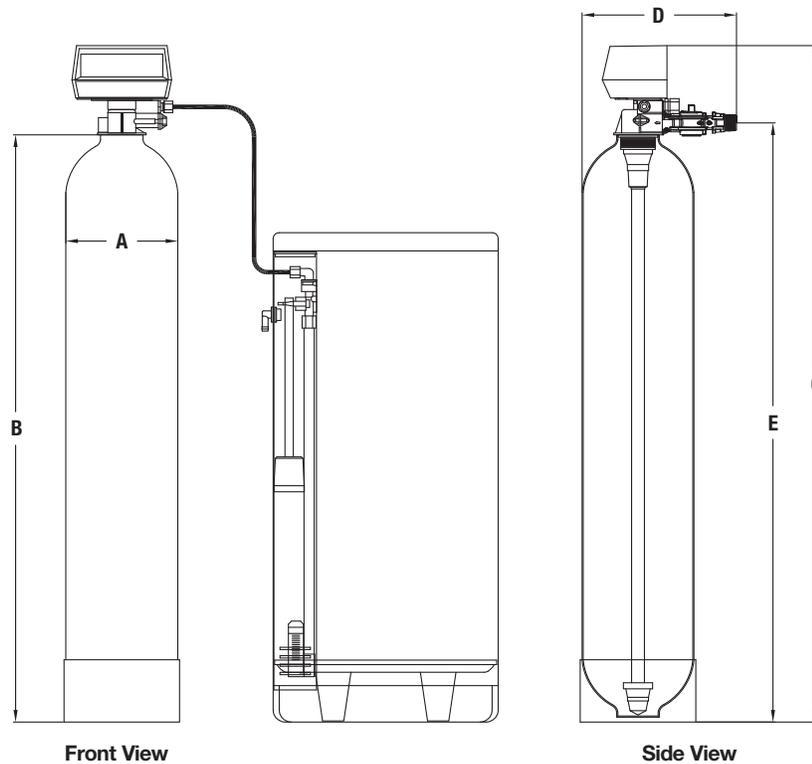
The information contained herein is not intended to replace the full product installation and safety information available or the experience of a trained product installer. You are required to thoroughly read all installation instructions and product safety information before beginning the installation of this product.

Watts product specifications in U.S. customary units and metric are approximate and are provided for reference only. For precise measurements, please contact Watts Technical Service. Watts reserves the right to change or modify product design, construction, specifications, or materials without prior notice and without incurring any obligation to make such changes and modifications on Watts products previously or subsequently sold.



PWSHW Series

	PWSHW15K	PWSHW30K
Max/Min Ion Exchange Capacity	15,000/10,000	30,000/20,000
Lbs. of salt required for Max/Min capacity	15/6	15/6
Salt Storage Capacity	40	300
Flow Rate in GPM @ 15 PSI Drop	3.75	8.8
Backwashing Flow Rate GPM	1.2	2
Drain Line Connection Size	1/2"	1/2"
Inlet/Outlet Pipe Size	1.0"	1.0"
Electrical Requirements	120v/60Hz	120v/60Hz
Mineral Tank Size	10" x 19"	9" x 48"
Brine Tank Size	10" D x 16" H	18" D x 40" H
Floor Space Required in inches W x D	24" x 11"	31" x 19"
Approximate Shipping Weight Lbs	55	112



Dimensions

MODEL NO.	TANK (A & B)		INLET E		OUTLET E		OVERALL HEIGHT C		OVERALL DEPTH D		BRINE TANK	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
PWSHW15K	10 x 19	254 x 483	20	508	20	508	27.3	694	14	356	10 x 16	254 x 406
PWSHW30K	9 x 48	305 x 1321	49	1245	49	1245	56	1422	13	330	18 x 40	487 x 1016



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