

For Residential Applications

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series PWFCAL

Whole House Acidic Water Neutralizing Systems

Connection Size: 1" (25mm)

Flow Rate: up to 21 gpm (79 lpm)

Watts Whole House System for increasing the pH of acidic water.

Series PWFCAL acid neutralizing systems are designed for residential applications with intermittent flow rates up to 21 gallons per minute. They stop the corrosion of metal components and fixtures within a plumbing system by neutralizing the acidic nature of supply water that has a pH of less than 7. Periodic backwashing of the media bed cleans it of captured impurities.

Features and Benefits

- Increases the pH of acidic water
- Eliminates the corrosion of plumbing and fixtures caused by low pH water
- No more "green stain" copper deposits in tubs, toilets, and sinks
- Better tasting pH balanced water
- User-friendly equipment
- 10" diameter tanks and larger have a dome hole access port on the top for checking and adding media
- Low maintenance due to automatic operation

Media

These systems use a high quality granular calcite (calcium carbonate) media to accomplish the neutralization process. As low pH water flows down through the media bed it reacts with the calcite media and dissolves it. This causes the pH of the water to move from an acidic state to a neutral state. This dissolving of the calcite media will require calcite to be added to the bed over time.

Control Valve

Manufactured from high-tech materials, the PWF 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.

Filter Tank

Features a fiberglass tank with a thermoplastic inner liner. The tanks are NSF/ANSI Standard 44 or 61 certified.

PURE WATER



PWFCAL

System Specifications

Minimum inlet pressure: 30 psig
 Maximum operating pressure: 125 psig
 Minimum water temperature: 34°F (1°C)
 Maximum water temperature: 110°F (43°C)
 Power

Voltage: 120VAC

Frequency: 60Hz

Power consumption: 7 Watts Maximum

Installation

Location: Indoors (Protect from direct sunlight)
 Minimum ambient temperature: 34°F (1°C)
 Maximum ambient temperature: 122°F (49°C)

⚠ WARNING

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

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NOTICE

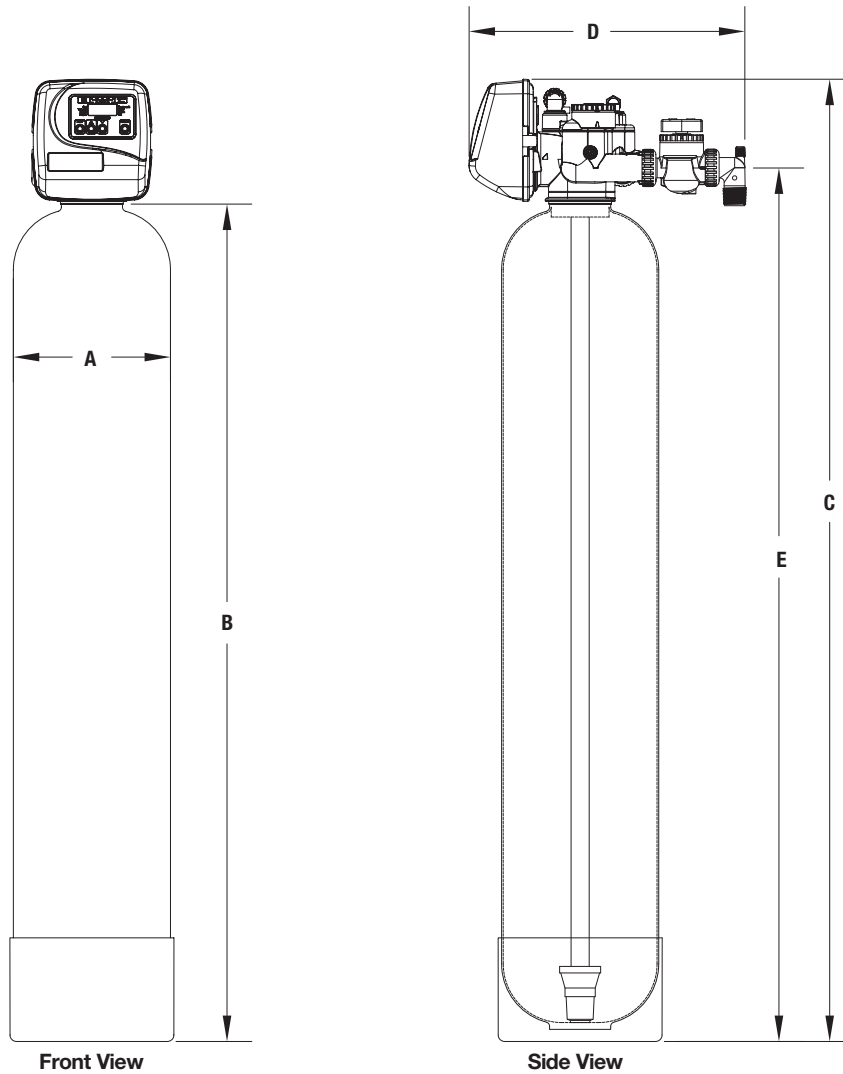
This Submittal is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.

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.



MODEL NO.	VALVE	MINERAL TANK SIZE	MEDIA CUBIC FOOT	GRAVEL (LBS)	PEAK SERVICE FLOW (GPM)*	PRESSURE DROP	BACK WASH (GPM)	FLOOR SPACE L X W X H
PWFCAL15	Time Clock	10" X 54"	1.5	10	7-10	<15	7.5	16" X 11" X 62"
PWFCAL2	Time Clock	12" X 52"	2	30	9-15	<15	11	17" X 13" X 60"
PWFCAL3	Time Clock	14" X 65"	3	40	13-21	<15	15	18" X 14" X 74"

*Note: Peak service flow rate is for intermittent use only and is not to be interpreted as continuous service flow rate capability. These systems are designed to treat the domestic water used in a single family dwelling. For irrigation water treatment or higher volume applications please contact your Watts representative. Peak service flow rates are based on a 15 psi drop. Optimum service flow rate is specific to water chemistry and will vary.



Dimensions and Weights

MODEL NO.	MINERAL TANK		INLET		OUTLET		OVERALL HEIGHT		OVERALL DEPTH		SHIPPING WEIGHT	
	A & B		E		E		C		D		lbs.	kgs.
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
PWFCAL15	10" X 54"	254 x 1372	56.75	1441	56.75	1441	62	1575	16	406	140	64
PWFCAL2	12" X 52"	305 x 1321	55	1397	55	1397	60	1524	16	406	200	91
PWFCAL3	14" X 65"	356 x 1651	67	1702	67	1702	72	1834	16	406	310	141



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