Engineering Specification

Job Name _____ Contractor _____

Job Location _____ Approval _____

Engineer _____ Contractor's P.O. No. _____

Approval _____ Representative _____

Series PWFLCAL

Locksmith® Residential Acidic Water Neutralizing Systems

Connection Sizes: 1"

Flow Rates: Up to 8.5 gpm (32 lpm)

Watts Locksmith Series PWFLCAL acid neutralizing systems are designed for residential point-of-entry applications to reduce corrosion in plumbing systems by neutralizing acidic water.

These systems use the exclusive Watts Locksmith controller, a single integrated control board capable to support external device operation, enabling flexible system configurations to meet a wide range of application needs.

PWFLCAL systems support intermittent residential flow rates up to 8.5 gpm (32 lpm) with media bed sizes ranging from 1.5 to 4.0 cubic feet. Higher flow requirements can be met by installing multiple units in parallel. The media bed is automatically cleaned through a programmable, time-initiated backwash and flush cycle that operates without manual intervention.

Designed for water supplies with a pH below 7, these systems use high-quality granular calcite (calcium carbonate) media to raise pH levels. As acidic water passes through the media bed, the calcite dissolves, increasing the water's pH to a neutral range. Periodic replenishment of calcite media is required as part of normal system maintenance.

⚠ 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 pure water



PWFLCAL

Features and Benefits

- Locksmith Controller offering Improved functionality
- Increases the pH of acidic water to a neutral level
- Reduces the corrosion of plumbing and fixtures caused by low pH water
- 10" and 12" diameter tanks have a dome hole access port on the top for checking and adding media
- No more "green stain" copper deposits in tubs, toilets, and sinks
- Better tasting pH balanced water
- User-friendly equipment
- Low maintenance due to automatic operation

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.

WATTS®

Operating Parameters

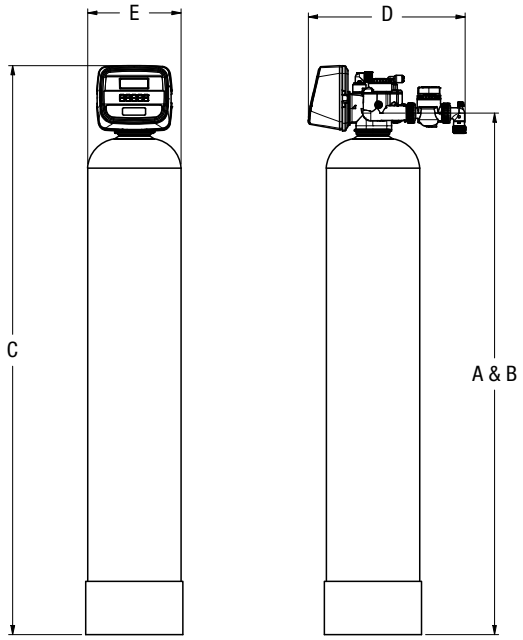
Water Pressure*	30 psi to 125 psi (205 kPa to 8.5 bar)
Temperature	34 - 110°F (1 - 43°C)
Operating Ambient Temperature	34° to 120°F (1° to 52°C)
Power Supply Input Voltage	100-120 VAC
Power Supply Input Frequency	50/60 Hz
Power Supply Output Voltage	15 VDC
Power Supply Output Current	500 mA (per control valve)

Water known to have heavy loads of dirt and debris may require pre-filtration prior to the water filtration system.

*It is established that when daytime water pressure exceeds 80psi (5.5 bar), the maximum pressure rating of 125psi (8.6bar) can be exceeded. A pressure regulator is required on this system or warranty is voided.

For all other guideline information please contact your Watts representative.

Series PWFLCAL



Dimensions & Weights

Series PWFLCAL

Call customer service (800-659-8400) if you need assistance with technical details.

MODEL NO.	DIMENSIONS										WEIGHTS	
	A		B		C		D		E			
	in.	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*in.*	*mm*	*lb*	*kg*
PWFLCAL15	56 1/2	1435	56 1/2	1435	61 3/4	1568	16 1/2	419	10 1/2	267	140	64
PWFLCAL2	55	1397	55	1397	60	1524	16 1/2	419	12 1/2	318	200	91
PWFLCAL3	68 1/4	1734	68 1/4	1734	73 1/2	1867	16 1/2	419	14 1/2	368	310	141

Specification and Ordering Information

MODEL NO.	ORDERING CODE	TANK SIZE	CALCITE MEDIA (CU FT)	GRAVEL (LBS)	SERVICE FLOW (GPM)*	BACKWASHING (GPM)	FLOOR SPACE (DXWXH)	SHIP WT. (LBS.)
PWFLCAL15	7101327	10 x 54	1.5	10	3.5	5.3	17.50" x 12" x 62"	183
PWFLCAL2	7101328	12 x 52	2	30	5	9	17.50" x 14" x 60"	256
PWFLCAL3	7101329	14 x 65	3	40	6.5	10	17.50" x 16" x 74"	387
PWFLCAL4	7101391	16 x 65	4	50	8.5	15	17.50" x 18" x 74"	516

NOTICE

*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.

USA: T: (800) 659-8400 • Watts.com/PureWater
Canada: T: (905) 332-4090 • Watts.ca/PureWater
Latin America: T: (52) 55-4122-0138 • Watts.com/PureWater

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