

Engineering Specification

Job Name _____

Contractor _____

Job Location _____

Approval _____

Engineer _____

Contractor's P.O. No. _____

Approval _____

Representative _____

Series PWFMZ

Residential Backwashing Filter Systems

WATTS
pure water

Connection Sizes: 1"

Flow Rates: Up to 21 gpm (79 lpm)

Watts Whole House filters for superior sediment removal.

Watts filtration systems for sediment removal use our high performance Micro Z™ filter media to provide increased loading capacities and higher service flow rates. Micro Z™'s unique external surface offers increased porosity to out perform sand filters by reducing water consumption. A Micro Z™ filter bed holds 2.8 times the amount of solids a sand bed holds, reducing backwash requirements by almost three times.

Features

- High service flow rates
- Superior filtration performance!
- Reliable equipment designed for long-term service
- Reduces water consumption because the need to backwash is less
- High solids loading
- 3-5 micron particle size removal
- Single media filter bed

Media

Our Micro Z™ is a special highly efficient granular filter media that has a nominal particle size removal of 3-5 micron. Compare that to sand at 30 micron. Micro Z™ allows sediment to penetrate deep into the bed for high loading efficiencies to reduce backwash demands and overall wastewater generation.

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 non-corrosive fiberglass tank with a thermoplastic inner liner.



PWFMZ

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.

NOTICE

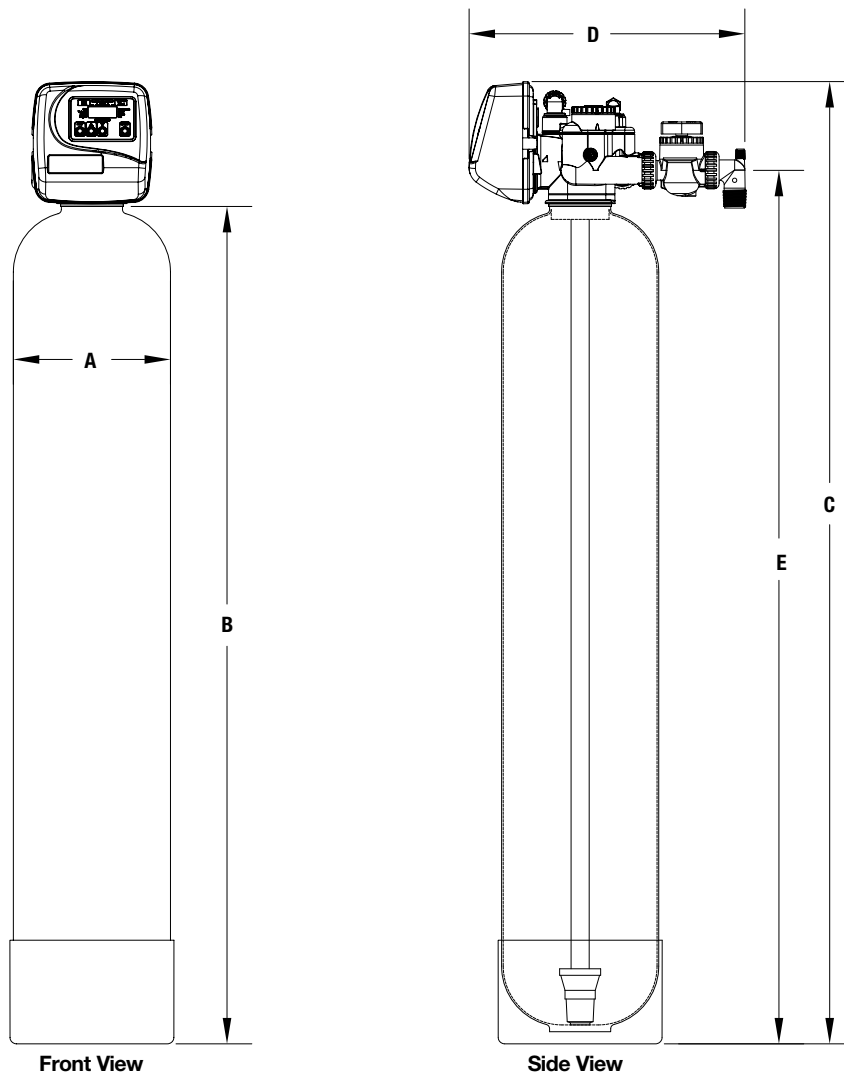
This Submittal is not intended to provide full installation instructions and safety information. In order to avoid property damage or injury, please refer to the complete installation manual and product safety information provided with the product.

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.

WATTS

MODEL NO.	VALVE	MINERAL TANK SIZE	MEDIA CUBIC FOOT	GRAVEL (LBS)	PEAK SERVICE FLOW (GPM)	PRESSURE DROP (PSI)	BACK WASH (GPM)	FLOOR SPACE LXWXH
PWFMZ1	Time Clock	9" X 48"	1	10	5-9	15	5.3	16" X 10" X 55"
PWFMZ15	Time Clock	10" X 54"	1.5	10	7-10	15	7.5	16" X 11" X 62"
PWFMZ2	Time Clock	12" X 52"	2	30	9-15	15	11	17" X 13" X 60"
PWFMZ3	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		
PWFMZ1	9" X 48"	229 x 1219	50.6	1285	50.6	1285	57.75	1416	16	406	110	50
PWFMZ15	10" X 54"	254 x 1372	56.75	1441	56.75	1441	62	1575	16	406	140	64
PWFMZ2	12" X 52"	305 x 1321	55	1397	55	1397	60	1524	16	406	200	91
PWFMZ3	14" X 65"	356 x 1651	67	1702	67	1702	72	1834	16	406	310	141



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