

## ZENNER High Pressure Multi-Jet Type Magnetic Drive Cold Water Meters

Model PMFP

Sizes: 3/4", 1", 1-1/2" and 2"



**INTRODUCTION:** ZENNER High Pressure Water Meters utilize a magnetically driven multi-jet design. They are designed to measure cold potable water where flow is in one direction only in residential, commercial, and industrial settings.

**OPERATION:** Water flows through the meter's strainer and into the measuring chamber where it drives the impeller. A drive magnet transmits the motion of the impeller to a driven magnet located within the hermetically sealed register. Powerful rare earth magnets eliminate slipping and uncoupling to increase overall accuracy. The magnet is connected to a gear train which translates the impeller's rotation into volume totalization which is displayed on the register dial face.

**CONSTRUCTION:** ZENNER High Pressure Water Meters consist of four basic components: main case, measuring chamber, high pressure stainless steel bottom plate and sealed register. The heavy duty main cases are constructed using C89833 Brass Alloy. Measuring Chambers are constructed of a durable synthetic polymer. Registers are available as either direct read or electronic output. The high pressure bottom plate utilizes a six (6) bolt configuration to withstand working pressures of 300 psi and 600 psi intermittent.

**MAINTENANCE:** ZENNER High Pressure Water Meters are engineered and manufactured to provide long-term service and operate virtually maintenance free. The precise simple design allows for interchangeable parts, reducing parts inventory.

**REGISTRATION:** ZENNER High Pressure Water Meters utilize a magnetically driven, hermetically sealed design. The sealed design eliminates dirt and moisture infiltration as well as prevents fogging. The register includes a large odometer-type totalization display, center sweep hand (360°) test circle, and low flow leak detection. All ZENNER PERFORMANCE meters have electronic output capabilities for easy conversion to Automated Meter Reading. 3/4" and 1" capacities are: 10,000,000 Gallons, 1,000,000 Cubic Feet, 100,000 Cubic Meters, 6 odometer wheels. 1 1/2" and 2" registration capacities are: 100,000,000 Gallons, 10,000,000 Cubic Feet, 1,000,000 Cubic Meters, 6 odometer wheels.

**CONFORMANCE:** ZENNER High Pressure Water Meters are tested and comply with AWWA C708, ISO 4064, and G13IT19001-ISO9000 performance standards. These Meters comply with the lead-free provisions of the Safe Drinking Water Act and are certified to NSF/ANSI Standard 372.

**TAMPERPROOF FEATURES:** Customer removal of the register to obtain free water is prevented through the use of a locking device that requires a special tool, only available to water utilities.

**CONNECTIONS:** These meters have been designed with ease of installation in mind through the use of wrench pads. Tailpiece/Unions for installations of meters are available as an option for various pipe types, sizes, and

**ZENNER USA**

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MODEL		PMFP03	PMFP07	PMFP08	PMFP11
SIZE		3/4" Short	1"	1-1/2" Female Threads	2" Female Threads
Maximum Flow Rate	USGPM	50	80	100	160
Maximum Continuous Flow	USGPM	30	50	80	90
Normal Flow	USGPM	2-50	3-80	5-100	8-160
Low Flow	USGPM	1/2	3/4	1 1/2	2
Maximum Working Pressure	P.S.I.	300	300	300	300
Maximum Temperature	Deg. F	122	122	122	122
Length	Inches	7 1/2	10 3/4	12 5/8	15 1/4
Length With Couplings	Inches	12 1/2	16 1/2	-	-
Height	Inches	5 3/8	7	7	7
Weight	Pounds	7	13	16	22



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