

WM-PD Series

Plastic, Low-flow, Piston Water Meters



The WM-PD series water meters are volumetric piston displacement water meters. These meters use a mechanical transmission to advance a hermetically sealed, 8-digit register. They are suitable for use with potable cold water, and hot water. There are two sizes available, 1/2 inch and 3/4 inch.

FEATURES

- Body and internals constructed of high quality materials
- Glass reinforced body is extremely durable
- Liquid filled register prevents condensation and provides clear visibility in all atmospheric conditions
- All models are equipped for addition of pulse output
- Suitable for use on hot water (up to 122°F)
- Mechanical operation is unaffected by magnetic fields
- Built in check valve prevents reverse flow
- Measures accurately in any orientation
- Tamper evident wire & seal

SPECIFICATIONS

Max. Temperature of Media: up to 122°F (50°C)

Installation Orientation: Any

Pulse Output Max. Voltage: 24vAC/DC

Maximum Total: 999,999.99 gallons

Accuracy: ±2% (Q2 to Q4) ±5% (Q1 to Q2)
(see curves on next page)

CE SERIES MODEL NUMBERING

Model Number **WM-PDXX**
Series: _____
WM-PD
Size: _____
050 = 1/2" NPT
075 = 3/4" NPT
Pulse Output: _____
omit = none
P = 4 ft. pulse output cable
(1 pulse every 0.05 gallons)

MATERIALS

Housing:
glass reinforced polyamide

Internals:
graphite lubricated polystyrene,
stainless steel

Liquid Surrounding Register:
diluted Ethylene Glycol

Internal Seals:
NBR (Nitrile Butadine Rubber)

Fitting to Body Seals:
EPDM

APPROVALS

2004/22/EC
European Union Directive on
Measuring Instruments

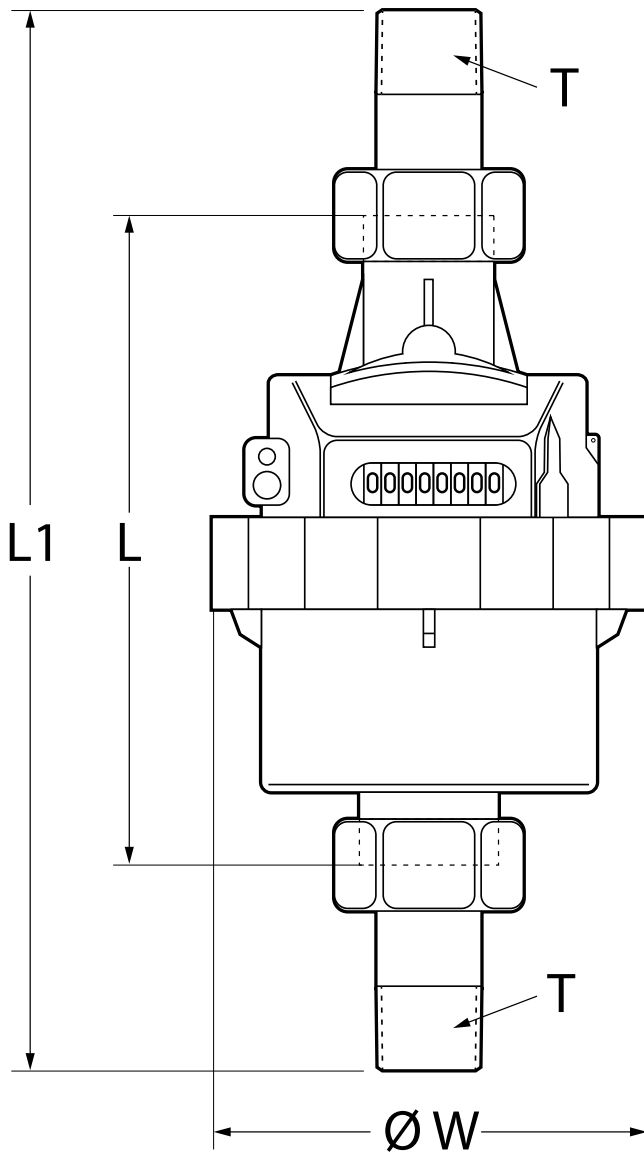
EN14154+A1+A2
European water meter standard

OIML R-49: 2006(E)
International Organization of
Legal Metrology - Water meters
intended for the metering of
cold potable water and hot water

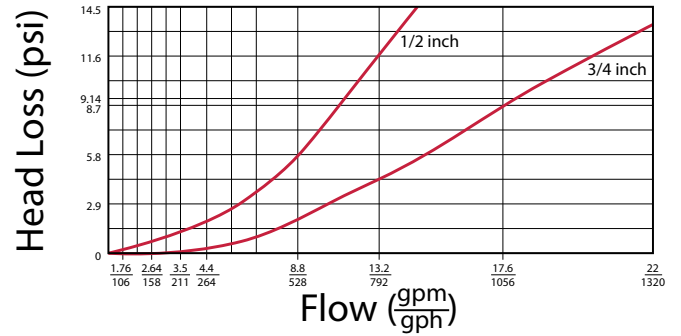
WM-PD Series

Plastic, Low-flow, Piston Water Meters
(Glass reinforced polyamide housing)

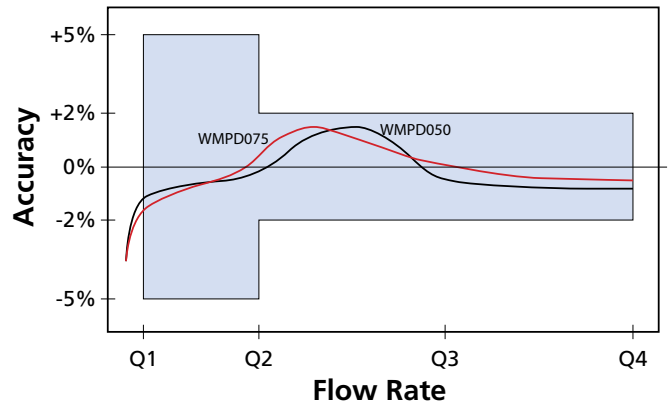
DIMENSIONS, WEIGHTS & SPECIFICATIONS



PRESSURE DROP CURVES



ACCURACY / FLOW RATE CURVES



Model	Flow Rates (in GPH)				Dimensions (in inches)				Weight (in lbs.)
	Min.	Normal Flow Range		Max.	L	L1	T	W	
	Q1	Q2	Q3	Q4					
WMPD-050	4.13	6.6	660	825	4.53	8.23	1/2 NPT	3.78	1.5
WMPD-075	6.6	10.6	1056	1320	6.50	10.16	3/4 NPT	4.17	1.5