



Multi-jet Dry Type Water Meters with Totalizer Only PCM-075 to PCM-200

Warranty

PCM water meters are warranted to perform to AWWA new meter accuracy standards, and to be free from defects in materials and workmanship for a period of 12 months from the date of shipment. If a meter does not perform as warranted, the manufacturer will replace it free of charge subject to the terms of this warranty.

The manufacturer's liability under this performance warranty is expressly limited to the replacement of the water meter upon meeting the two following conditions:

1 – Your supplier and the manufacturer is contacted prior to removal of the water meter from the installation in order to appropriately troubleshoot and provide the optimum customer satisfaction (ie minimize customer downtime).

2 – The manufacturer is shipped the water meter pre-paid and then the manufacturer will evaluate if the water meter performed as warranted and whether it should or should not be covered under warranty.

Please ship the meter prepaid to:

Pumps and Controls
1003 Enterprise, Suite 107
Arlington, TX 76015

This performance guarantee shall not be applicable to meters which have been damaged by aggressive water conditions, foreign matter in media, mis-application, willful misconduct, negligence, vandalism, or act of God, improper installation, frost/freeze damage or using the meter outside of its specific operating parameters (especially temperature and flow ranges).

In no event shall Pumps and Controls be liable for incidental or consequential damages of any kind, including but not limited to loss of profits or revenue, loss of use, cost of capital, cost of substitute equipment, facilities or services, downtime costs, delays and claims of customers of the customer or other third parties.

PCM Series Multi-jet Dry Type Water Meters with Totalizer Only

PCM-075 • PCM-100
PCM-150 • PCM-200



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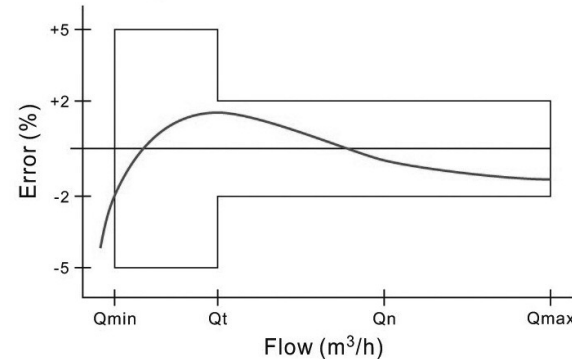
Main Technical Data

Nominal diameter	DN		075 - 3/4"	100 - 1"	150 - 1 1/2"	200 - 2"
Maximum flow rate	US gpm	Qmax	22	30.8	88	132
Nominal flow rate	US gpm	Qn	11	15.4	44	66
Transition flow rate	US gpm	Qt	0.88	1.23	3.52	5.3
Minimum flow rate	US gpm	Qmin	0.22	0.31	0.88	1.32
Minimum reading	US gallon		0.01	0.01	0.1	0.1
Minimum graduation	US gallon		0.005	0.005	0.05	0.05

◆ Maximum Permissible Error:

- In the lower zone from Qmin inclusive up to but excluding Qt is $\pm 5\%$.
- In the upper zone from Qt inclusive up to and including Qmax is $\pm 2\%$.

Accuracy Curve



General Information

PCM water meters use the internationally-accepted multi-jet principle. A gear train drives the register totalizer dials.

Inlet Strainer

Clean the strainer yearly, or as required, depending on water condition. Pull out the strainer or back-flush the meter to loosen trapped particulates.

Calibration

New meters are factory-tested to meet the AWWA C-708 Multi-Jet Meter accuracy specification.

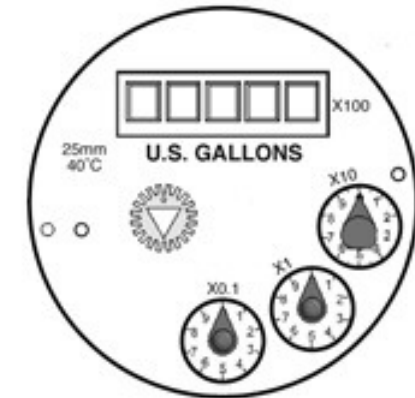
Specifications

Temperature	105° F (40° C) max	
Pressure	150 psi operating	
Materials	Body	Cast bronze
	Internals	Engineered thermoplastic
Accuracy	+/- 1.5% of reading	

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Suggested Meter Installation

- Thoroughly flush the service line upstream of the meter to remove dirt and debris.
- Set the meter inline. Water meters are recommended to be installed horizontally with the register facing upwards.
- Make sure the water flow follows the arrow cast on the meter body.
- Slowly open any upstream valves to prevent damage to the meter.



Internal Parts Replacement

All the internal parts of the meter lift out as a unit, after the top has been unscrewed. The lens can then be removed and internal assembly lifted out. If necessary, turn the meter upside down and tap one end lightly on a countertop to loosen internals. The assembly can be separated by hand.

		Parts
1		Lid and Hinge Pin Assembly
2		Lens Gasket Assembly
3		Internal Assembly (gallons)
4		Coupling Assembly (incl 2 sets)
5		Coupling Gasket Assembly (incl 2)
6		Lens
7		Sensor Screw
9	a	Register (gallons)
	b	Register (cubic feet)
10		Internal Strainer
11		Tubular Strainer

