



PD Meters

Operating Characteristics

Product 	Size	Typical Operating Range 100% ± 1.5%	Low Flow (Min. 98.5%)	Max Continuous Operating Flow	Max Operating Capacity	Pressure Loss At Max Operating Capacity	Max Operating Temp°	Max Operating Pressure
ID	in	gpm	gpm	gpm	gpm	psi	Temp°	psi
PD-25	5/8" x 3/4"	1/4 - 25 gpm	1/8 gpm	20 gpm	25 gpm	7.0 psi at Max Capacity	120°F	150 psi
PD-35	3/4 "	1/2 - 30 gpm	1/2 gpm	20 gpm	30 gpm	3.1 psi at Max Capacity	120°F	150 psi
PD-60	1"	3/4 - 60 gpm	1/2 gpm	40 gpm	60 gpm	7.3 psi at Max Capacity	120°F	150 psi
PD-20	5/8"	1/4 - 20 gpm	1/8 gpm	15 gpm	20 gpm	7.0 psi at Max Capacity	120°F	150 psi
PD-160	2 in	8 - 160 gpm	2 gpm (97 - 103%)	120 gpm	160 gpm	12 psi at Max Capacity	120°F	150 psi
PD-120	1 1/2 in.	5 - 100 gpm	1 1/2 gpm (97 - 103%)	75 gpm	100 gpm		120° F	150 psi
PD-25 Encoder	5/8" x 3/4"	1/4 - 25 gpm	1/8 gpm	20 gpm	25 gpm	7.0 psi at Max Capacity	120° F	150 psi

Meets or exceeds latest revision of AWWA C700 Performance Standards

Physical Characteristics

Product 	Meter length		Meter Casing Spuds	Couplings (Tailpieces)	Nominal Thread Size
ID	Screw Ends	Flanged Ends	Nominal Thread Size	Length	in
PD-25	7 1/2"		1"	2 1/2"	3/4"
PD-35	7 1/2"		3/4"	2 3/8"	3/4"
PD-60	10 3/4"		1 1/4"	2 5/8"	1"
PD-20	7 1/2"		3/4"	2 3/8"	1/2"
PD-160		17 in.			
PD-120		13 in			
PD-25 Encoder	7 1/2 "		1 "	2 1/2 "	3/4 "

Meets or exceeds latest revision of AWWA C700 Dimensional Standards

Features

- 1. ASTM E83600 Main casing and bottom plate:** Main casings are made of a copper alloy containing not less than 85% copper such as UNS C84400 or UNS C93200, or a similar copper alloy as listed in ASTM B62. No Lead bodies available. The serial number is engraved on the body. The main case also shows the name of the manufacturer (IMC), the size and direction of flow. Bottom plates can be made of a suitable engineering plastic or cast iron as well.
- 2. Register housing and lids:** Register housing and lids are made of a copper alloy containing not less than 57% copper such as UNS C85700 or UNS C86200; or similar copper alloy as listed in ASTM B584 or UNS C85800, as listed in ASTM B176. The housing and lids can also be made from a suitable engineering plastic. The tamper resistant retaining pin is made of stainless steel. Each meter's serial number is engraved on the lid.
- 3. Measuring chambers:** Measuring chambers are made of engineering plastic, such as polyphenylene ether (PPE) per ASTM D4349, nylon (N) per ANSI/ASTM D4066, polyethylene per ASTM D1248, or polystyrene per ASTM D4549. The piston has approximately the same specific gravity as water. All spindles are stainless steel.
- 4. Strainers:** All meters have a strainer installed in the meter. Strainer screens are rigid, snug fitting, easy to remove and have an effective straining area of at least double that of the main-case inlet.

Warranty

Scope of Warranty

This warrantee applies exclusively to Infinity Metering C700 water meters and direct read registers purchased and used in potable water below 120° F in accordance with Infinity Metering's published Technical Specifications and when installed in accordance with Infinity Metering's published installation instructions, both as in effect as of the date of Infinity Metering's shipment of the product. This guarantee applies exclusively to the original utility purchaser when product is purchased from either Infinity Metering or an Infinity Metering authorized Distributor.

Materials and Workmanship

If used and installed as described above, Infinity Metering guarantees product covered by this guarantee to be free from defects in materials and workmanship for a period of 12 months after installation or 18 months after shipment by Infinity Metering or its authorized Distributor, whichever occurs first.

Case Integrity

If used and installed as described above, Infinity Metering guarantees that the waterworks or low lead bronze main cases of C700 meters will retain their structural integrity for a period of 25 years from date of Infinity Metering's shipment.

Register Functionality

If used and installed as described above, Infinity Metering guarantees that its direct read registers will function for 25 years from date of manufacture by Infinity Metering. Encoder and Pulse register warranties are specified separately.

New Meter Accuracy

If used and installed as described above, Infinity Metering guarantees that C700 meters covered by this guarantee will meet or exceed AWWA new meter accuracy standards, per AWWA specification C700, until the first occurring event as specified below:

- 5/8" 5 years from date of Infinity Metering shipment or registered usage of 750,000 U.S. gallons;
- 3/4" 5 years from date of Infinity Metering shipment or registered usage of 750,000 U.S. gallons;
- 1" 5 years from date of Infinity Metering shipment or registered usage of 1,100,000 U.S. gallons;
- 1 1/2" 5 years from date of Infinity Metering shipment or registered usage of 1,600,000 U.S. gallons;
- 2" 5 years from date of Infinity Metering shipment or registered usage of 2,100,000 U.S. gallons.

Repaired Meter Accuracy

If used and installed as described above, Infinity Metering further guarantees that C700 meters covered by this guarantee will meet or exceed repaired meter accuracy standards, as published in AWWA Manual M-6 Fourth Edition (1999), Chapter 5, Table 5.3, until the first occurring event as specified below:

- 5/8" 15 years from date of Infinity Metering shipment or registered usage of 2,500,000 U.S. gallons;
- 3/4" 15 years from date of Infinity Metering shipment or registered usage of 2,500,000 U.S. gallons;
- 1" 15 years from date of Infinity Metering shipment or registered usage of 3,250,000 U.S. gallons;
- 1 1/2" 15 years from date of Infinity Metering shipment or registered usage of 5,600,000 U.S. gallons;
- 2" 15 years from date of Infinity Metering shipment or registered usage of 10,400,000 U.S. gallons.

Extended Low Flow Accuracy

If used and installed as described above, Infinity Metering further guarantees that C700 meters covered by this guarantee will meet or exceed low flow accuracy, as specified in AWWA Specification C700, until the first occurring event as specified below:

- 5/8" 5 years from date of Infinity Metering shipment or registered usage of 675,000 U.S. gallon;
- 3/4" 5 years from date of Infinity Metering shipment or registered usage of 675,000 U.S. gallons;
- 1" 5 years from date of Infinity Metering shipment or registered usage of 1,100,000 U.S. gallons;

1 ½" 5 years from date of Infinity Metering shipment or registered usage of 1,440,000 U.S. gallons;
2" 5 years from date of Infinity Metering shipment or registered usage of 1,890,000 U.S. gallons.

Claims

Any meter or register covered by this guarantee that fails to meet the terms of the stated guarantee will be repaired or replaced, at the option of Infinity Metering, without additional charge to the customer. The customer is responsible for removing the meter or register from service, returning it to the factory service center designated by Infinity Metering, providing a written or electronic (facsimile or e-mail) claim notice, and for freight costs to and from the service center. Customer is also responsible for reinstalling repaired or replaced product.

Limits of Liability

This guarantee does not apply to meters or registers damaged by aggressive water conditions, foreign matter in water, vandalism, negligence, installation not in accordance with Infinity Metering's installation instructions, misapplication or other use not as described above, acts of God or other conditions beyond the control of Infinity Metering. If a meter is claimed to breach the accuracy guarantees as stated herein, the customer shall submit a certified copy of the test results at the time the meter is returned to Infinity Metering. The guarantees as to accuracy shall be void if an examination of the customer's water supply shows an unusually adverse effect on metering equipment. Any description of product, whether in writing or made orally by Infinity Metering or its agents, specifications, samples, literature, models, bulletins, drawings, diagrams, engineering sheets or similar materials used in connection with any customer's order are for the sole purpose of identifying product and shall not be construed as an express or implied guarantee.

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