

ME-PD NTEP Approved Positive Displacement Water Meters



Description

For use in measurement of potable cold water in residential, commercial and industrial services where flow is in one direction only.

The ME-PD main casing is made of lead free bronze that complies with NSF/ANSI/CAN 61 and 372. All ME-PD meters not only meet or exceed NSF 61 but are also labeled accordingly. The serial number is engraved on the casing.

The combined gear and register unit is fully sealed with straight odometer for visual reading of billable units as well as a group of high-precision pointers for accurate testing by governing agencies. Both the register and pulse unit are pit rated to IP68 (NEMA 6).

Measuring chamber is a multi-jet design made of engineered plastics that meet NSF standards.

Along with NSF approval, the ME-PD series meters are also approved by NTEP for horizontal installation in cold water applications.

Features

Register

- Magnetic drive, low-torque registration ensures accuracy
- Impact-resistant glass register resists scratching
- High-resolution, low-flow leak detection
- Bayonet-style register mount allows in-line serviceability
- Tamperproof seal pin deters theft
- Date of manufacture, size, and model stamped on dial face

Meter Body

- Made from lead free bronze
- NSF/ANSI/CAN 61 and 372 certified
- Includes 1/4"- 20 threaded boss for AMR/AMI pit installations
- Electrical grounding continuity

Specifications

Pressure: up to 150 PSIG

Temperature: up to 120°F

Maximum Reading:

US Gallon models

3/4" to 1": 9,999,999.99

1 1/2" to 2": 99,999,999.99

Cubic Feet models

3/4" to 1": 999,999.99

1 1/2" to 2": 9,999,999.99

Accuracy:

Normal flow: +/- 1.5% Low flow: +/- 3%

Pulse Output Standard on All Models

Sensor Type: Dry contact Reed switch

Pulse Rates:

US Gallon models

3/4" to 1": 1 pulse per Gallon or 1 per 10 gallons

1 1/2" to 2": 1 pulse per 10 Gallons

Cubic Feet models

3/4" to 1": 10 pulses per Cubic Foot

1 1/2" to 2": 1 pulse per Cubic Foot

Max. Current: 100mA

Max. Voltage: 24 VAC/DC

Cable Length: 9' standard (2000' maximum run)

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Sizes & Flow Rates (in gpm)

| Size | Normal | Low | Max. (cont/int) |
|--------------|----------|------|--------------------|
| 075 | 1 to 20 | 0.25 | 10/20 |
| 7575 & 7575L | 2 to 30 | 0.50 | 15/30 |
| 100 | 3 to 50 | 0.75 | 50/100 |
| 150 & 150F | 5 to 100 | 1.50 | 50/100 |
| 200 & 200F | 8 to 160 | 2.00 | 80/160 |

Model Code for Ordering

ME-PD-050 -CF-R/IP

Water Meter _____
ME = M & E (Meters & Electronics)

Meter Type _____
PD = Positive Displacement

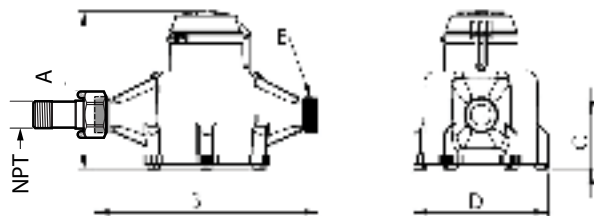
Size _____
075 = 3/4" NPT (5/8 x 3/4 meter)
7575 = 3/4" NPT (7.5" long)
7575L = 3/4" NPT (9" long)
150 = 1 1/2" NPT
150F = 1 1/2" Oval Flange
200 = 2" NPT
200F = 2" Oval Flange

Unit of Measure _____
(omit) = US gallons
-CF = Cubic Feet

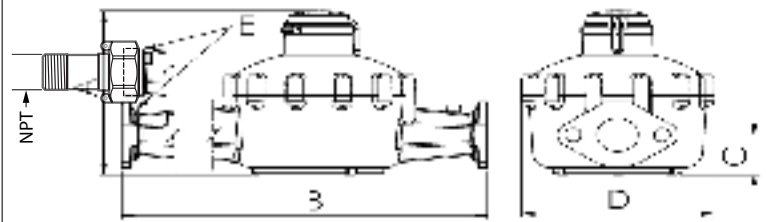
Pulse Output (see page 1 for which to choose) _____
R/IP = 1 pulse per gallon or cubic foot
R/10P = 10 pulses per gallon or cubic foot
R/10G = 1 pulse per 10 gallons

Dimensions & Weights (in inches & lbs.)

075 to 100



150 to 200



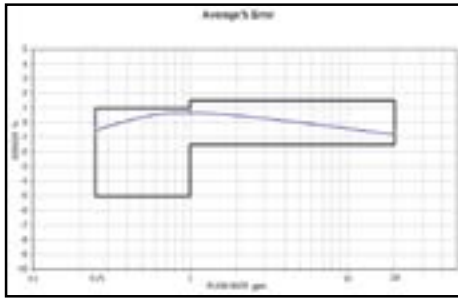
| Size | NPT (male) | A | B | C | D | E | Weight |
|-------|---------------|------|--------|------|-------|------------------|--------|
| 075 | 3/4" | 5.75 | 7.5 | 1.5 | 4.5 | 1" Male NPSM | 4.08 |
| 7575 | 3/4" | 6.25 | 7.5 | 2 | 5.5 | 1" Male NPSM | 5.84 |
| 7575L | 3/4" | 6.25 | 9 | 2 | 5.5 | 1" Male NPSM | 6.29 |
| 100 | 1" | 7.25 | 10.75 | 2.5 | 6.625 | 1.25" Male NPSM | 10.25 |
| 150 | 1 1/2" | 8.75 | 12.625 | 2.75 | 9 | 2" Male NPSM | 21.49 |
| 150F | - | 8.75 | 13 | 2.75 | 9 | 1.5" Oval Flange | 24.8 |
| 200 | 2" | 9.5 | 15.25 | 2.75 | 10 | 2.5" Male NPSM | 29.87 |
| 200F | - | 9.5 | 17 | 2.75 | 10 | 2" Oval Flange | 35.6 |

ME-MJ NTEP Approved Multi-jet Water Meters

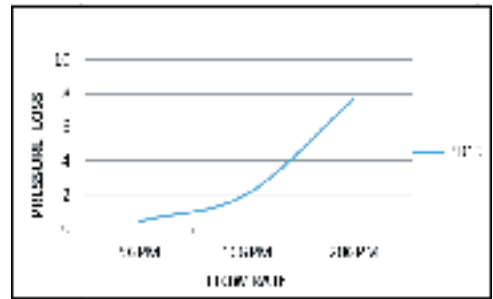
Accuracy Curves

Head Loss Curves

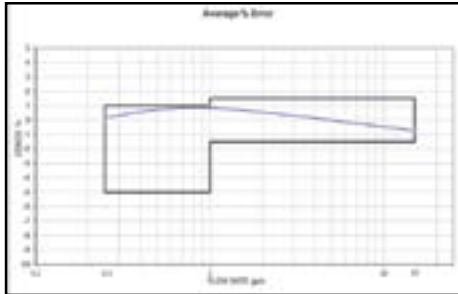
ME-PD-075



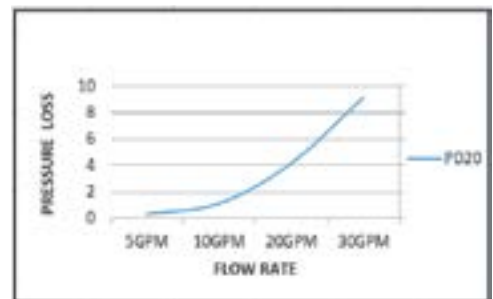
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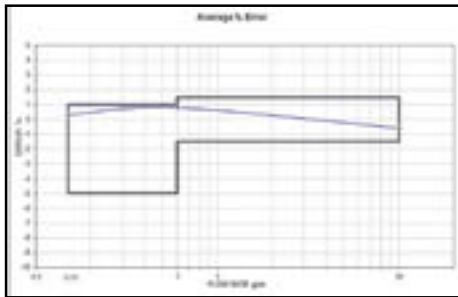
ME-PD-7575 & ME-MJ-7575L



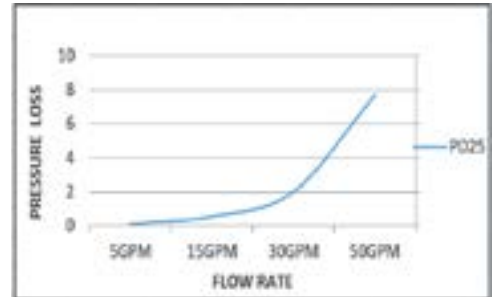
ME-PD-7575 & ME-MJ-7575L



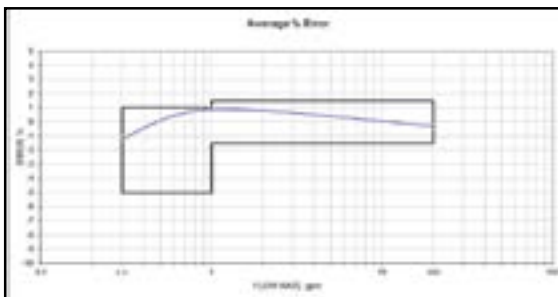
ME-PD-100



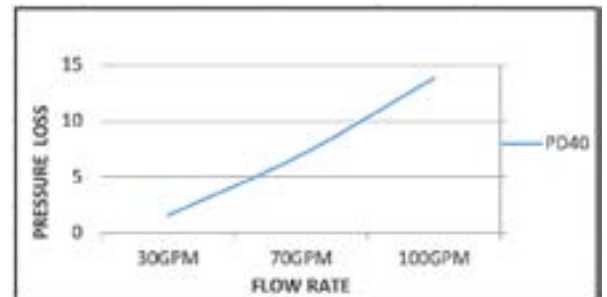
ME-PD-100



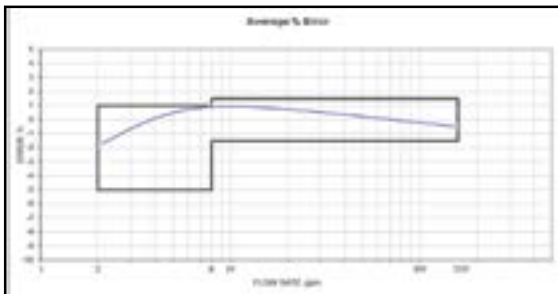
ME-PD-150



ME-PD-150



ME-PD-200



ME-PD-200

