Specification Sheet

SM15

Specifications

Size	**5/8” x 3/4”**
Typical Operating Range	
100% ± 1.5% (gpm)	1/8 - 15
Low Flow (Min. 98.5%) (gpm)	1/8
Max Continuous Operating Flow (gpm)	15
Max Operating Capacity (gpm)	20
Max Operating Temperature ˚F	120
Max Operating Pressure (psi)	150

Meets or exceeds latest revision of ISO 4064/1 and BS 5728/1 Class B

Physical Characteristics

Size	**5/8” x 3/4”**
Meter length	
Screw Ends (in.)	4 1/2
Meter Casing Spuds	
Nominal Thread Size (in.)	1
Couplings (Tailpieces)	
Length (in.)	2
Nominal Thread Size (in.)	3/4
Weight (lbs)	2.4

Meets or exceeds latest revision of ISO 4064/1 and BS 5728/1 Class B

- All bronze construction
- Remote ready
- Polycarbonate lens resists scratching
- Large numbers for easy reading
- Great low flow
- Built-in strainer
- 2-year new meter accuracy warranty
- 15-year standard warranty for body, register, and accuracy
- Rated to 120˚F

Description

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

Main casing - Main casings are made of a copper alloy containing not less than 85% copper such as UNS C83600 or a similar copper alloy as listed in ASTM B584 and SDWA 141.43 No Lead. The serial number is engraved on the body. The main case also shows the name of the manufacturer, and direction of flow.

Register - The combined gear and register unit is fully sealed, liquid filled, with a straight odometer for visual reading. For extended life the register unit is manufactured with a direct drive assembly and gears.

Measuring chamber - Measuring chamber is an oscillating piston type and is made of engineering plastic, such as polyethylene ether (PPE) per ASTM D4349, nylon (N) per ANSI/ASTM D4066, polyethylene per ASTM D1248, or polystyrene per ASTM D4549.

Measuring chambers have sufficient dimensional stability to retain operating clearances at working temperatures of up to 120˚F (49˚C) and shall not warp or deform.

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Installation - The meter must be installed in a clean pipeline, free from any foreign materials. The meter shall be installed with the direction of flow as indicated by the arrow cast in the meter case. The meter may be installed in any orientation.

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.

Register - Fully sealed, straight reading direct drive.

Capacity of Register

US Gallons	10,000,000
Data Output	1 pulse = 5 USG

Tamper Resistant - The SM-15 with pulse output and in-line body design offers protection from tampering by unauthorized individuals. It cannot be disassembled while in service and the mechanically geared odometer cannot be interfered with magnetically.

Wiring Specification

Black = Common
Red = Pulse Signal

* Not polarity Sensitive

Connectors - 3/4" x 2" Tailpieces/meter couplings come standard with the meter.

Magnetic Drive - The use of high strength magnets provides positive, reliable and dependable register coupling.

Materials

Main Case	Bronze
Measuring Unit	Thermoplastic
O-Ring	Nitrile Rubber
Magnet	Ceramic Ferrite
Strainer	Thermoplastic
Register Lens	Tempered Glass
Register Unit Lid	Thermoplastic
Gearing Wheels	Polycarbonate

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