

WM-4 Sant Brass Water Meter Fan-Wheel (Dry Dial) Multi-Jet Class-B

Description

Water meter for hot water is manufactured by using advanced technology, in which, the register device is combined pointers and rolling counters which is convenient, clear and correct for reading as well as nice appearance. The register system is designed by means of magnetic-drive, which is hermitically-sealed and completely separates the register system & water. It however can not be influence even if in pure water condition as well as corrosion of indicating dial. These water meter have high accuracy of measurement, steady error curve of flow rate. The performance is more advanced than existing ISO standard.

Working Conditions

Water Temperature < 90°C
Water Pressure < 1MPa
 $\Delta P < 0.1MPa$

Accuracy

- From minimum flow-rate (Q_{min}) inclusive, to transitional flow-rate (Q_t), exclusive: $\pm 5\%$
- From transitional flow-rate (Q_t) inclusive, to overload flow-rate (Q_s), exclusive: $\pm 2\%$

Application

- This water meter is used for measurement of total quantity of water passing through the pipeline.
- It is available for water flowing in a single direction.

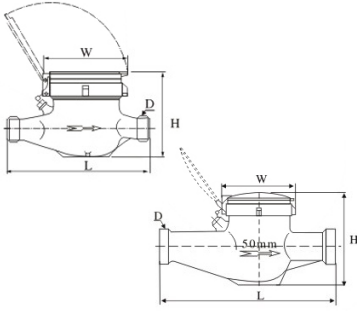


Dimensions (in mm)

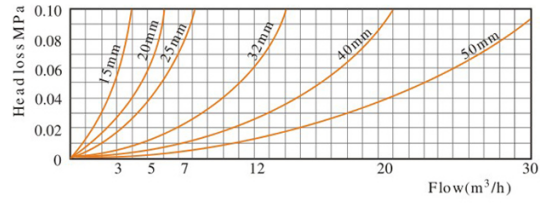
| Size | L ± 2 | W (Approx.) | H (Approx.) | D Connecting Thread | Minimum Reading |
|------|-----------|-------------|-------------|---------------------|-----------------|
| 15 | 165 | 97 | 109 | G 3/4" B | 1.5 |
| 20 | 190 | 97 | 110 | G 1" B | 1.7 |
| 25 | 260 | 104 | 117 | G 1.1/4" B | 2.4 |
| 32 | 260 | 104 | 117 | G 1.1/4" B | 2.4 |
| 40 | 300 | 127 | 153 | G 2" B | 5.1 |
| 50 | 300 | 127 | 153 | G 2.1/2" B | 7.2 |

Technical Data

| Nominal Size DN (mm) | Class of measurement | Overload flow-rate Q_s (m ³ /h) | Permanent flow-rate Q_p (m ³ /h) | Transiional flow-rate Q_t (m ³ /h) | Minimum flow-rate Q_{min} (m ³ /h) | Minimum Reading (m ³) | Maximum Reading (m ³) |
|----------------------|----------------------|--|---|---|---|-----------------------------------|-----------------------------------|
| 15 | B | 3 | 1.5 | 120 | 30 | 0.0001 | |
| 20 | B | 5 | 2.5 | 200 | 50 | 0.0001 | |
| 25 | B | 7 | 3.5 | 280 | 70 | 0.0001 | 99999 |
| 32 | B | 7 | 3.5 | 280 | 70 | 0.0001 | 99999 |
| 40 | B | 20 | 10 | 800 | 200 | 0.001 | |
| 50 | B | 30 | 15 | 3000 | 450 | 0.001 | |



Head Loss Curve



Error Curve

