

## WM3 Woltman Water Meter Dry Dial Removable Mechanism (Hot Water)

### Features

- It is dismountable and its movement can be pulled out easily for repair and exchange without taking the meter from pipe. (The recorder can be replaced on condition that water is available)
- The recorder is sealed up so that readings are over clear.
- Measuring devices are general - purpose and can reduce alternate parts.
- Its parts are connected magnetically and work numbly and reliably because of slight obstruction.
- The pressure loss is small.
- It is durable.



### Working Conditions

- Hot  
Water Temperature: 90°C  
Water Pressure: 1MPa  
 $\Delta P < 0.03\text{MPa}$

### 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:  $\pm 2\%$
- Hot: Exclusive:  $\pm 3\%$

### Application

Dismountable spiral hot water is for recording discharge, flowing through its pipe. It can not record the amount of polluted water end corrosive liquid.

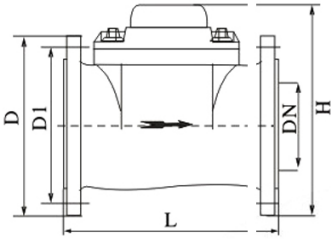
### Dimensions (in mm)

| Nominal Size DN | Length L | Width W | Height H | Outer Diameter of Flange D | The Center Diameter of Connecting Bolt D1 | Connecting Bolt (pcs.) | Weight (Kg) |
|-----------------|----------|---------|----------|----------------------------|---|------------------------|-------------|
| 50              | 200      | 172     | 247      | 165                        | 125                                       | 4xM16                  | 12          |
| 65              | 200      | 185     | 260      | 185                        | 145                                       | 8xM16                  | 13          |
| 80              | 225      | 200     | 264.5    | 200                        | 160                                       | 8xM16                  | 15          |
| 100             | 250      | 225     | 271.5    | 220                        | 180                                       | 8xM20                  | 15          |
| 125             | 250      | 250     | 295      | 250                        | 210                                       | 8xM20                  | 23          |
| 150             | 300      | 285     | 301.5    | 285                        | 240                                       | 8xM20                  | 30          |
| 200             | 350      | 340     | 358.5    | 340                        | 295                                       | 12xM20                 | 42          |
| 250             | 400      | 395     | 413.5    | 395                        | 350                                       | 12xM20                 | 51          |
| 300             | 450      | 445     | 463.5    | 445                        | 400                                       | 12xM20                 | 63          |

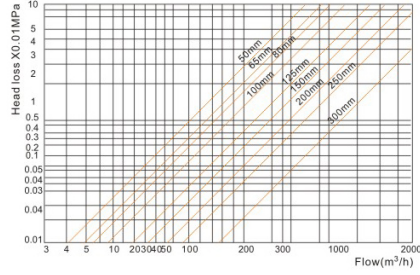
### Technical Data

| Nominal Size DN (mm) | Class of measurement | Overload flow-rate $Q_s$ (m <sup>3</sup> /h) | Permanent flow-rate $Q_p$ (m <sup>3</sup> /h) | Transitional flow-rate $Q_t$ (l/h) | Minimum flow-rate $Q_{min}$ (l/h) | Minimum Reading Min (m <sup>3</sup> ) | Minimum Reading Max (m <sup>3</sup> ) |
|----------------------|----------------------|--|---|------------------------------------|-----------------------------------|---------------------------------------|---------------------------------------|
| 50                   | B                    | 30   | 15  | 3                                  | 0.45                              | 0.02                                  | 999999                                |
| 65                   | B                    | 50   | 25  | 5                                  | 0.75                              | 0.02                                  | 999999                                |
| 80                   | B                    | 80   | 40  | 8                                  | 1.2                               | 0.01                                  | 999999                                |
| 100                  | B                    | 120  | 50  | 12                                 | 1.8                               | 0.1                                   | 999999                                |
| 125                  | B                    | 200  | 100   | 20                                 | 3                                 | 0.1                                   | 999999                                |
| 150                  | B                    | 300  | 150   | 30                                 | 4.5                               | 0.1                                   | 9999999                               |
| 200                  | B                    | 500  | 250   | 50                                 | 7.5                               | 0.1                                   | 9999999                               |

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|----------------------|----------------------|--|---|------------------------------------|-----------------------------------|---------------------------------------|---------------------------------------|
| 250                  | B                    | 800  | 400   | 30                                 | 80                                | 0.1                                   | 9999999                               |
| 300                  | B                    | 1200   | 800   | 30                                 | 18                                | 0.1                                   | 9999999                               |



Head Loss Curve



Error Curve

