

# HWE WOLTMAN TYPE BULK FLOW WATER METER



HWE Woltman Type Bulk Flow Meters are best suited for the measurement of large quantities of water for private and industrial uses. These meters are designed for maximum durability, accuracy of registration and trouble free service with little loss of head. They conform to ISO4064 B class.

## Material of Construction

The meter casting is made up of high grade cast iron. The internal mechanism is of ABS for cold water.

## Features

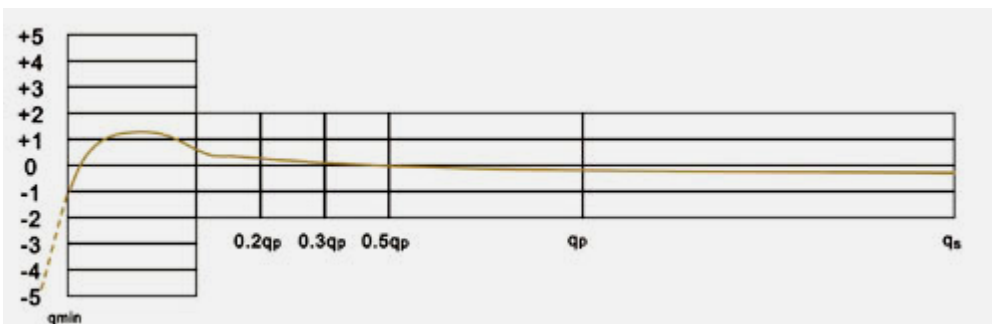
- Dry-dial.
- Magnetic drive.
- Vacuum sealed register ensures the dial kept free from fog and keeps the reading clear in a long term service.
- Measuring accuracy conform to ISO4064 class B standard.
- Selected high quality materials for steady & reliable characteristics.
- Low head loss.
- Universal use. Measuring mechanism can be removed for easy maintenance and replacement.

## ERROR CURVE

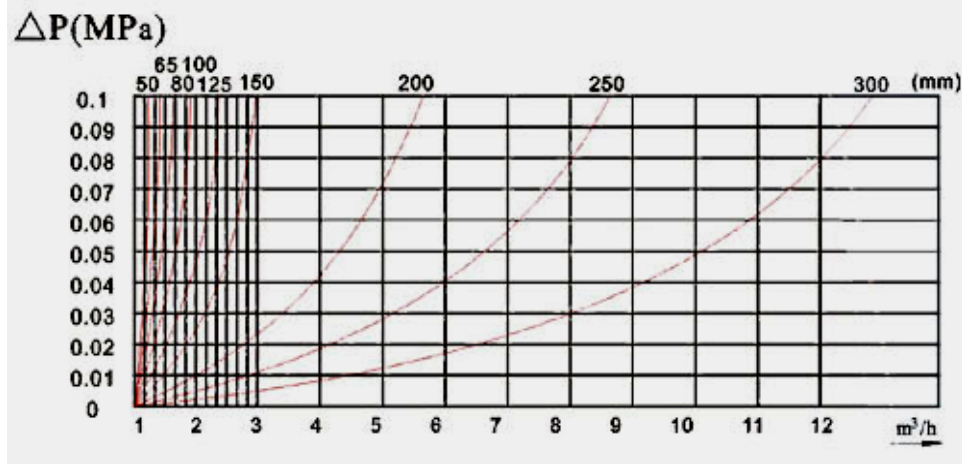
At low zone  $\pm 5\%$  from minimum flow rate ( $q_{min}$ ) to transitional flow rate ( $q_t$ ) (exclusive boundary)

At high zone is  $\pm 2\%$  from transitional flow rate ( $q_t$ ) to overload flow rate ( $q_s$ )

## Flow-ERROR CURVE



## HEAD LOSS CURVE



## Main Technical Data

| Meter Size Dia DN(mm) | Class | qs                | qp           | qt                | qmin     | Min Reading    | Max Reading |
|-----------------------|-------|-------------------|--------------|-------------------|----------|----------------|-------------|
|                       |       | Overload Flow     | Nominal Flow | Transitional Flow | Min Flow |                |             |
|                       |       | m <sup>3</sup> /h |              | m <sup>3</sup> /h |          | m <sup>3</sup> |             |
| 50                    | A     | 30                | 15           | 4.5               | 1.2      | 0.01           | 99999       |
|                       | B     |                   |              | 3                 | 0.45     |                |             |
| 65                    | A     | 50                | 25           | 7.5               | 2        | 0.01           | 99999       |
|                       | B     |                   |              | 5                 | 0.75     |                |             |
| 80                    | A     | 80                | 40           | 12                | 3.2      | 0.01           | 99999       |
|                       | B     |                   |              | 8                 | 1.2      |                |             |
| 100                   | A     | 120               | 60           | 18                | 4.8      | 0.01           | 99999       |
|                       | B     |                   |              | 12                | 1.8      |                |             |
| 125                   | A     | 200               | 100          | 30                | 8        | 0.01           | 99999       |
|                       | B     |                   |              | 20                | 3        |                |             |
| 150                   | A     | 300               | 150          | 45                | 12       | 0.1            | 999999      |
|                       | B     |                   |              | 30                | 4.5      |                |             |
| 200                   | A     | 500               | 250          | 75                | 20       | 0.1            | 999999      |
|                       | B     |                   |              | 50                | 7.5      |                |             |
| 250                   | A     | 800               | 400          | 120               | 32       | 1              | 999999      |
|                       | B     |                   |              | 80                | 12       |                |             |
| 300                   | A     | 1200              | 600          | 180               | 48       | 1              | 999999      |
|                       | B     |                   |              | 120               | 18       |                |             |

## Working Condition

Water temperature: =40°C (for hot water meter: =90°C) For higher temperatures, please send your specific enquiry.

Working pressure: =1.6MPa

**Manufactured by:**

**HINDUSTAN WATER ENGINEERING COMPANY**  
(An ISO 9001:2015 Certified Company)

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