



WPD PTFE

Bulk water meter with PTFE (Teflon) internal and external coating for industrial application with aggressive water

Water meters are provided by default for the use of the medium drinking water. According to the Drinking Water regulation, the pH value must not have below 6.5 and not above 9.5.

If aggressive water is used (the pH value alone can not determine the aggressiveness of the water) then, all metal parts that come into contact with the medium must be protected to prevent them from corrosion. We have decided to use PTFE coating in this area of application because of its excellent properties.



Performance characteristics in overview

- Type Woltman parallel
- All metal parts that come into contact with the medium have PTFE coating to protect them from corrosion
- Nominal sizes DN50 to DN150
- For horizontal and vertical installation
- Highest precision and reliability even in case of low flow rates
- Flood-proof (IP68) hermetically sealed glass/copper register
- Low starting flow and high overload security
- Wide mesuring range, low pressure loss
- Hydraulic bearing relieve
- Long-term measuring stability
- Swirl-reducing inlet
- No straight inlet or outlet needed (U0/D0) according to OIML R49 and DIN EN ISO 4064
- Prepared for remote reading
- Register rotatable 355°
- Operating pressure MAP 16
- Approved according to MID

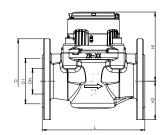
Applications

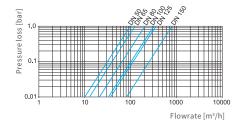
- For the consumption measurement of cold and clean service water up to 50 °C
- For measuring high flow rates

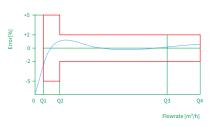
AMR options

- Can be retrofitted with a mechanical pulser
- Can be combined with stationary GSM system
- Retrofittable with EDC module (Electronic Data Capture):
 - EDC LPWAN radio module (868 MHz) for LoRaWAN®
 - EDC wireless M-Bus radio module (868 MHz)
 - EDC combined M-Bus and pulse module

Flange according to ISO 7005-2. Other flanges on request Attention: not all versions are available in all markets







Dimensions

Pressure loss curve

Error curve

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¹ Other measuring ranges and overall lengths on request

² Values refer to standard measuring range

³ Total height WPDE PTFE/WPHDE PTFE + 20mm

⁴ Condensation possible