Accuflow
Water Meter Flanged ends
Size: 50mm to 300mm
Woltmann water meter for water distribution applications.

"Accuflow" is a Woltmann type water meter with flanged ends designed for accurate measurement of bulk flows of cold potable water for revenue billing and management information system in Commercial or Industrial application and distribution network.

Available in Sizes 50mm to 300mm for flow rates between 0.35 m³/h to 1200 m³/h, operates at temperatures up to 45°C (optional 90°C) and a maximum working pressure of 15 bar. The meter complies with ISO 4064 Class B's specification.

The metrological performances of "Accuflow" far exceed ISO Class B standards. Significant endurance capacities are ensuring accurate and reliable metering in a variety of applications, such as water distribution networks, bulk billing, process control, etc.

The flowing water velocity is rotating the horizontal axis propeller of meter. Special shape of its outlet bearing is counteracting the natural hydraulic thrust applied on the propeller then preventing any downstream pivot wear.

The Propeller rotation is transmitted to the register by a protected gear transmission and direct magnetic coupling.

The sealed mineral glass register is safeguarding the integrity of the indicator in the toughest environments (flooding pits, mechanical tampering attempts etc.)

Construction

"Accuflow" water meters are manufactured from the highest quality materials for maximum resistance to wear and corrosion. Meter body and cover are epoxy powder coated for protection in all environments, including flooded installation chambers.

Ease of Installation, and Maintenance

In addition of the standard lengths, "Accuflow" range is available in various lengths and connections to minimize installation costs. An interchangeable approved measuring mechanism allows easy maintenance without re-calibration.

Installation Requirements

- "Accuflow" can be installed regardless of position (ISO approval Class B)
- Installation of a dirt box (strainer) upstream of the meter is recommended to protect the hydraulics against raw particles and protect the turbine and help reduce the effect of turbulence.

Salient Features

- Sealed extra dry totaliser.
- High flow-rate enduring capacities.
- Maximum corrosion protection.
- No effect by external magnetic fields.
- Measuring mechanism can be removed without interrupting water supply.

Variants and Options:
- Wire sealed metallic cap equipped with a lockable lid is available as an option for harsh environments.
- Hot water upto 90°C version available on request.

Warranty:
All the meters are warranted against any manufacturing defect for a period of twelve months, subject to adherence to installation conditions and meter seal should be intact and not tampered with.

Metrological Performance and Dimensions.

<table>
<thead>
<tr>
<th>SIZE of Meter - mm</th>
<th>50</th>
<th>65</th>
<th>80</th>
<th>100</th>
<th>150</th>
<th>200</th>
<th>250</th>
<th>300</th>
</tr>
</thead>
<tbody>
<tr>
<td>Qs/Qmax</td>
<td>30</td>
<td>50</td>
<td>80</td>
<td>120</td>
<td>300</td>
<td>500</td>
<td>800</td>
<td>1200</td>
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<tr>
<td>Qp/Qn.</td>
<td>15</td>
<td>25</td>
<td>40</td>
<td>60</td>
<td>150</td>
<td>250</td>
<td>400</td>
<td>600</td>
</tr>
<tr>
<td>Qt.</td>
<td>3</td>
<td>5</td>
<td>8</td>
<td>12</td>
<td>30</td>
<td>50</td>
<td>80</td>
<td>120</td>
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<tr>
<td>Qmin</td>
<td>0.45</td>
<td>0.75</td>
<td>1.20</td>
<td>1.80</td>
<td>4.50</td>
<td>7.50</td>
<td>12.00</td>
<td>18.00</td>
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<tr>
<td>Overall Length mm</td>
<td>200</td>
<td>200</td>
<td>200</td>
<td>250</td>
<td>300</td>
<td>350</td>
<td>450</td>
<td>500</td>
</tr>
<tr>
<td>O.D. Of Flange mm</td>
<td>165</td>
<td>185</td>
<td>200</td>
<td>220</td>
<td>285</td>
<td>340</td>
<td>395</td>
<td>445</td>
</tr>
<tr>
<td>Flange Thickness mm</td>
<td>19</td>
<td>19</td>
<td>21</td>
<td>22</td>
<td>23</td>
<td>24.5</td>
<td>26</td>
<td>27.5</td>
</tr>
<tr>
<td>Dia of Bolt Circle (PCD) mm</td>
<td>125</td>
<td>145</td>
<td>160</td>
<td>180</td>
<td>240</td>
<td>295</td>
<td>350</td>
<td>400</td>
</tr>
<tr>
<td>Dia Of Holes mm</td>
<td>19</td>
<td>19</td>
<td>19</td>
<td>19</td>
<td>23</td>
<td>23</td>
<td>23</td>
<td>23</td>
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<tr>
<td>No. Of Bolts</td>
<td>4</td>
<td>4</td>
<td>4</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>Weight Kg (Approx.)</td>
<td>11.4</td>
<td>12.6</td>
<td>14.1</td>
<td>19.5</td>
<td>34</td>
<td>55</td>
<td>75</td>
<td>175</td>
</tr>
</tbody>
</table>

(Note: 1 m³/hr = 1000 l/hr)

Accuflow

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