**Legal Requirements**

Water meters supplied must be approved for trade use by the National Regulator for Compulsory Specifications (N.R.C.S.) in South Africa in accordance with the requirements of S.A.N.S. 1529-1: 2019 and the N.R.C.S. and section 22 of the Legal Metrology Act 2014 (Act 9 of 2014).

All water meters supplied must be tested and verified within the borders of South Africa in accordance with the requirements of Section 7 of the Legal Metrology Act 2014 (Act 9 of 2014). All verification to be performed by a registered Verification Officer in a S.A.N.A.S. Accredited Verification Laboratory in Terms of S.A.N.S. 1529 - 1: 2019.

**Performance Specification**

The water meter must be of the semi-positive rotary piston type with the following capabilities:

<table>
<thead>
<tr>
<th>METER SIZE</th>
<th>15mm*</th>
<th>20mm*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Flowrate qs ± 2% (m³/h)</td>
<td>3</td>
<td>5</td>
</tr>
<tr>
<td>Nominal Flowrate qp ± 2% (m³/h)</td>
<td>1,5</td>
<td>2,5</td>
</tr>
<tr>
<td>Transitional Flowrate qt ± 2% (ℓ/h)</td>
<td>120</td>
<td>37,5</td>
</tr>
<tr>
<td>Minimum Flowrate q min ± 5% (ℓ/h)</td>
<td>30</td>
<td>25</td>
</tr>
</tbody>
</table>

Starting Flow (ℓ/h)

- Maximum Working Pressure (kPa) 1600
- Maximum Test Pressure (kPa) 4800
- Body Length (mm) 165

Pulse Output (ℓ)

- 1 or 10 or 100 or 1000

* Class 'B' Accuracy Specification.

In addition, the meters offered must comply with the following:

- Counters to be of the hermetically sealed dry dial type.
- Meters must be approved to Class B by N.R.C.S. for horizontal installation.
- Meter bodies to be manufactured from dezincification resistant brass capable of withstanding a test pressure of 4 800 kPa (48 Bar).
- Cold water meter to have a working temperature ≤ 50º C.
- Hot water meter to have a working temperature ≤ 90º C.
- Meter to have a maximum working pressure of 1 600 kPa (16 Bar).
☐ Maximum rate of flow (Qs) must be achieved at a pressure drop not exceeding 100 kPa across the inlet/outlet of the meter.

☐ All internal plastic components to be constructed of virgin materials.

☐ Each meter must be backed with a 3-year guarantee against faulty workmanship and/or materials.

☐ Meters to be pulse prepared. Reed switch is an optional extra.

☐ Meters to be fitted with a removeable fine mesh strainer on the inlet side to protect the working chamber from damage and wear caused by suspended solids suspended solids.

General

Spare parts and accessories for all water meters offered must be available locally in South Africa and available for ten years after purchase of the water meter.

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