VOLUMETRIC ROTARY PISTON PLASTIC BODY COLD WATER METER

APPLICATION:
- Measuring the volume of cold potable water passing through the pipeline.

FEATURES:
- Completely plastic shell, solid and robust design, long service guaranteed.
- High quality materials fiberglass reinforced polymerization amine (WRAS approved) corrosion resistance.
- Plastic thread connecting couplings.
- Optimum accuracy and performance at all times, in any position;
- Revolutionary grooved piston for improved, durability and performance;
- Durable tamperproof construction;
- Volumetric meter, on principle of piston rotation, accurate measurement, easy and long term clear reading, etc.
- Measuring accuracy is up to ISO4064; Class C/D

WORKING CONDITION:
- Water temperature: ≤50°C
- Water pressure: ≤1.6MP (16bar)

MAXIMUM PERMISSIBLE ERROR:
- In the lower zone from \( q_{min} \) inclusive up to but excluding \( q_i \) is ±5%
- In the upper zone from \( q_i \) inclusive up to and including \( q_{max} \) is ±2%

ACCESSORIES
Optional: Both brass connections and plastic connections are available.
### Water Meter Specifications

**Type** | **Size (mm)** | **Class** | **Max. Flow (m³/h)** | **Nominal Flow (L/h)** | **Transitional Flow** | **Min. Flow (L/h)** | **Min. Reading** | **Max. Reading** |
--- | --- | --- | --- | --- | --- | --- | --- | --- |
LXH-15S | 15 | D | 1.5 | 22.5 | 17.25 | 15.0 | 0.0001 | 9999 |
LXH-20S | 20 | D | 2.5 | 37.5 | 28.75 | 25 | 0.0001 | 9999 |

### Dimensions

<table>
<thead>
<tr>
<th>Type</th>
<th>Size</th>
<th>Length</th>
<th>Width</th>
<th>Connection Thread</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>LXH-15S</td>
<td>15</td>
<td>115</td>
<td>90</td>
<td>G3/4B</td>
<td>0.6kg</td>
</tr>
<tr>
<td>LXH-20S</td>
<td>20</td>
<td>190</td>
<td>95</td>
<td>G1B</td>
<td>0.6kg</td>
</tr>
</tbody>
</table>

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**Flow Error Curve**

**Head Loss Curve**