

# VOLUMETRIC ROTARY PISTON METER ASM LXH SA1508 15mm, 20mm & 25mm

## Brass Cold Water Meter



### APPLICATION

- Measures the volume of clean, cold water passing through a pipeline.
- Billing purposes.

### FEATURES

- DZR brass body.
- Optimum accuracy and performance in any position (horizontal or vertical).
- Rotating piston.
- Clear, easily read, liquid sealed 8 digit counter.
- Measuring accuracy approved to SANS 1529-1: 2006.
- Internal Non-Return Valve and Strainer.
- Each meter has a unique serial number.
- Pulse prepared.
- Inlet and Outlet threads compatible with ISO metric sizes.

### MAXIMUM PERMISSIBLE ERRORS

- In the lower zone from  $q^{\min}$  inclusive up to but excluding  $q^{\dagger}$  is  $\pm 5\%$ .
- In the upper zone from  $q^{\dagger}$  inclusive up to and including  $q^{\ddagger}$  is  $\pm 2\%$ .  
Example  $q^{\min}$

### WORKING CONDITIONS

- Working temperature:  $2^{\circ}\text{C} \sim 40^{\circ}\text{C}$ .
- Nominal pressure: 1600 kPa (16 Bar).
- Maximum test pressure: 4800 kPa (48 Bar).

### COMPLIANCE STANDARD:

- Conforms to SANS 1529-1: 2006 (Class C).
- Conforms to ISO4064: Class C.

### INSTALLATION REQUIREMENTS

- May be installed on a horizontal or vertical pipeline.
- Pipeline must be flushed before installation.
- Meters should be constantly full of water during operation.

### IMPORTANT NOTICE

- Meter to be used with brass Tailpieces/Connectors.
- No Hemp to be used during installation.
- No soldering or heat to be applied during installation.

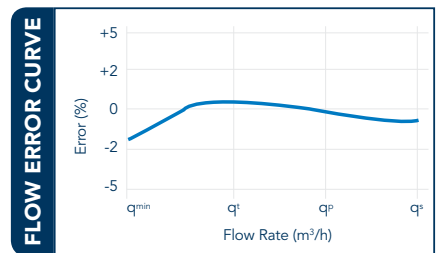


## MAIN TECHNICAL SPECIFICATIONS

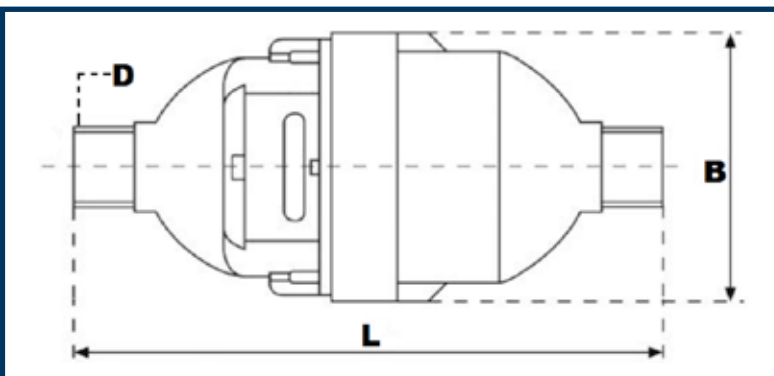
| Type     | Size (mm) | Class | m <sup>3</sup> /h |                |                   |                  | m <sup>3</sup> |              | Pulse Value (Per Pulse) |
|----------|-----------|-------|-------------------|----------------|-------------------|------------------|----------------|--------------|-------------------------|
|          |           |       | q <sup>s</sup>    | q <sup>p</sup> | q <sup>†</sup>    | q <sup>min</sup> | Min. Reading   | Max. Reading |                         |
|          |           |       | Max. Flow         | Nominal Flow   | Transitional Flow | Min. Flow        |                |              |                         |
| LXH - 15 | 15        | C     | 3                 | 1,5            | 0,023             | 0,015            | 0,00002        | 9999         | 500 ml                  |
| LXH - 20 | 20        | C     | 5                 | 2,5            | 0,038             | 0,025            | 0,00002        | 9999         | 500 ml                  |
| LXH - 25 | 25        | C     | 7                 | 3,5            | 0,052             | 0,035            | 0,00002        | 99999        | 5 l                     |

## DIMENSIONS TABLE

| Type | Size (mm) | L           | B          | D                 | ± Weight per Meter (kg) | ± Weight per Meter (kg) | Per Box of 10 Meters |                 |
|------|-----------|-------------|------------|-------------------|-------------------------|-------------------------|----------------------|-----------------|
|      |           | Length (mm) | Width (mm) | Connection Thread |                         |                         | ± Weight (kg)        | Dimensions (mm) |
| 15   | 15        | 114         | 86         | BSP 20mm          | 0,86                    | 9                       | 12                   | 540 x 245 x 125 |
| 15   | 20        | 165         | 85         | BSP 25mm          | 1                       | 10,5                    | 12                   | 540 x 245 x 125 |
| 114  | 25        | 200         | 104        | BSP 32mm          | 1,6                     | 16,6                    | 4,2                  | 300 x 220 x 170 |



## DIMENSIONS



## HEAD LOSS DATA

