

# Volumetric rotary PISTON Meter

## ASM LXH SA1508 15mm – 20mm

Plastic Cold-Water Meter



### APPLICATION

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

### FEATURES

- Plastic shell of solid and robust design for long service life.
- Corrosion resistance, UV Stabilized, fiberglass reinforced polymer plastic.
- Optimum accuracy and performance in any position (horizontal or vertical).
- Grooved rotary piston.
- Clear, easily read, liquid sealed 8-digit counter.
- Measuring accuracy approved to SANS 1529-1.
- 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  $q^i$  is  $\pm 5\%$ .
- In the upper zone from  $q^i$  inclusive up to and including  $q^p$  is  $\pm 2\%$ .

### 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 plastic Tailpieces/Connectors.
- No Hemp to be used during installation.
- No soldering or heat to be applied during installation.



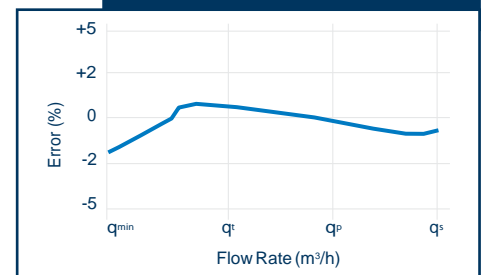
## MAIN TECHNICAL SPECIFICATIONS

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>i</sup>	q <sup>min</sup>	Min. Reading	Max. Reading	
			Max. Flow	Nominal Flow	Transitional Flow	Min. Flow			
LXHS - 15	15	C	3	1,5	0,023	0,015	0,00002	9999	500 ml
LXHS - 20	20	C	5	2,5	0,038	0,025	0,00002	9999	500 ml

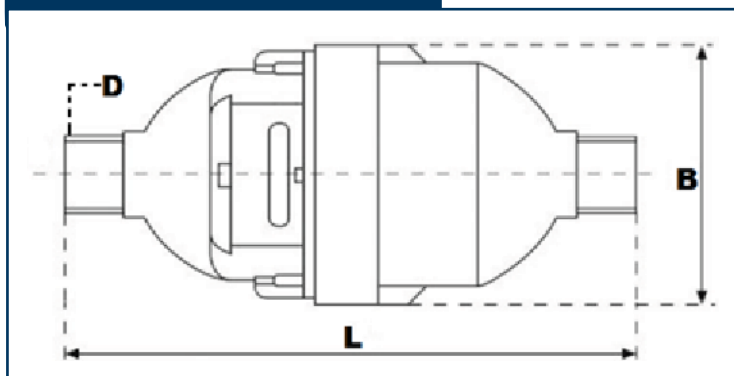
## DIMENSIONS TABLE

Type	Size (mm)	L Length (mm)	B Width (mm)	D Connection Thread	± Weight per Meter (kg)	Per Box of 10 Meters	
						± Weight (kg)	Dimensions (mm)
LXHS - 15	15	115	98	BSP 20mm	0,46	5	526 x 246 x 110
LXHS - 20	20	165	99	BSP 20mm	0,46	5,3	473 x 365 x 103

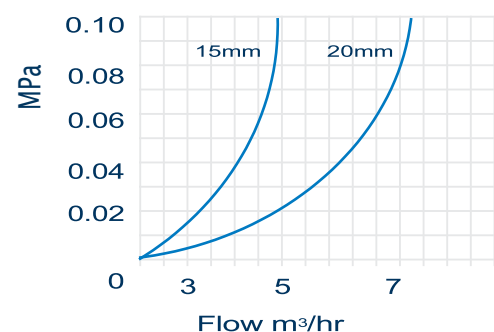
## FLOW ERROR CURVE



## DIMENSIONS



## HEAD LOSS DATA



## Warranty on our LXHP Plastic Water Meters

This letter confirms that Precision Meters (Pty) Ltd domestic cold-water meters 15mm and 20mm plastic piston, carry a THREE Year Warranty on all working parts from date of Invoice.

The Warranty does NOT cover damage done by the following:

- \* Particles of sand and debris passing through the meters.
- \* Dropped meters.
- \* Malicious damage done to meters.
- \* Broken Seals.
- \* Sea water damage.
- \* Meter opened up by customer/purchaser (refer \* Broken seals).
- \* Meters installed incorrectly (e.g. using of thread tape and not tail pieces, no hemp to be used or soldering while meter is inline).
- \* Meters incorrectly installed by third party (As mentioned above).
- \* Any other substance besides clean cold potable water being metered.
- \* Hot temperature water being fed through the water meters outside specified temperatures indicated in the meters.

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