

## VOLUMETRIC ROTARY PISTON METER

### ASM LXHP SA1508 15mm – 20mm Plastic Cold Water

#### 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 Stabilised, fibreglass 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  $q_t$  is  $\pm 5\%$ .
- In the upper zone from  $q_t$  inclusive up to and including  $q_s$  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.
- All plastic meters to be installed in Plastic Water Meter boxes to prevent UV deterioration.

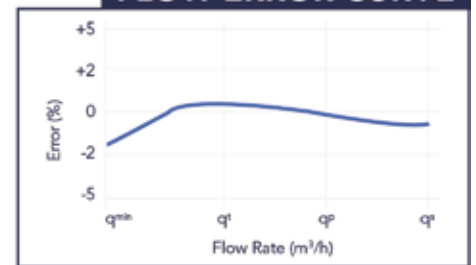
#### MAIN TECHNICAL SPECIFICATIONS

Type	Size (mm)	Class	$\text{m}^3/\text{h}$				$\text{m}^3$		Pulse Value (Per Pulse)
			$q_s$ Max. Flow	$q_n$ Nominal Flow	$q_t$ Transitional Flow	$q_{min}$ Min. Flow	Min. Reading	Max. Reading	
LXHS - 15	15	C	3	1,5	0,023	0,015	0,00002	9999	500 m $\ell$
LXHS - 20	20	C	5	2,5	0,038	0,025	0,00002	9999	500 m $\ell$

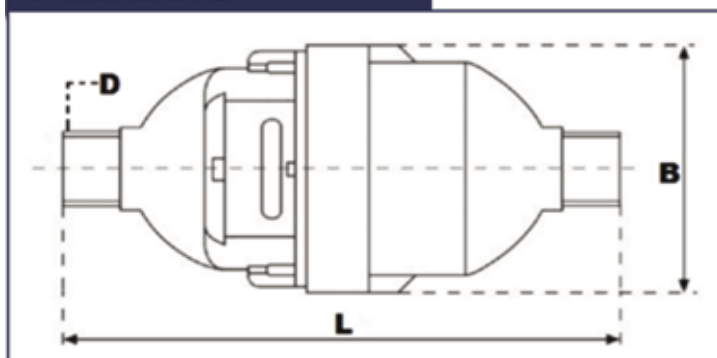
#### DIMENSIONS TABLE

Type	Size (mm)	L	B	D	$\pm$ Weight per Meter (kg)	Per Box of 10 Meters	
		Length (mm)	Width (mm)	Connection Thread		$\pm$ Weight (kg)	Dimensions (mm)
LXHS - 15	15	114	98	BSP 15mm	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

