



LXH-15S(DN15)

Application

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

Working Conditions

- ◆ Water temperature: $\leq 50^{\circ}\text{C}$.
- ◆ Water pressure: $\leq 1.6\text{MPa}$.

Construction

- ◆ The meter mainly consists of a lower body, a measuring unit, a transmission assembly, a register, a upper body and others. The lower body secures the internal parts.

Working Principle

- ◆ The working principle is based on a calibrated chamber of known capacity and a rotaty piston activated by the energy of the flow passing through.
- ◆ The piston rotates while the chamber fills up and empties with a constant volume of water. By counting these cycles, the register indicates the total volume that has been register.

Indication

- ◆ Cubic meter(m^3) and U.S.gallon(USG) for selecting.

Features

- ◆ Ensures high sensitivity and accurate registration throughout a wide flow range.
- ◆ Mechanical transmission movement equates to maximum reliability.
- ◆ Liquid-sealed register.
- ◆ Easy reading and long term clear reading.
- ◆ Low starting flow rate.
- ◆ Internal non return valve.
- ◆ Internal strainer.
- ◆ **Plastic body.**
- ◆ Can be equipped with reed switch option.

Compliance with Standard

- ◆ Technical data conforms to ISO 4064 Class C Standard.

Attachment

- ◆ With every water meter, there will be with two couplings, two nuts, two coupling gaskets and two meter spud thread protectors.

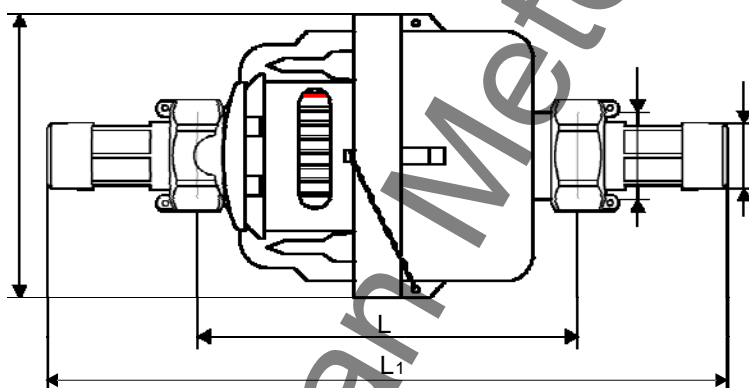
Note: To protect the meter spud threads, store the meter with thread protectors in place.

Dimensions and Weights

Nominal diameter	DN	15	
Body thread	D	G3/4B	
Connector thread	d	R1/2	
Body length	mm	L	115/170
Overall length	mm	L ₁	209/264
Width	mm	W	96
Weight without connectors	Kg		0.47(L=115)
Weight with connectors	Kg		0.65(L=115)

◆ "L₁" is the total length when coupling gaskets without compression.

Dimension Picture



Description of the Register

Nominal diameter	Dn15
Number of black numbered roller	4
Number of red numbered roller	4
Maximum reading	m ³ 9999.9999
Minimum reading	m ³ 0.0001
Minimum graduation	L 0.02

Main Technical Data

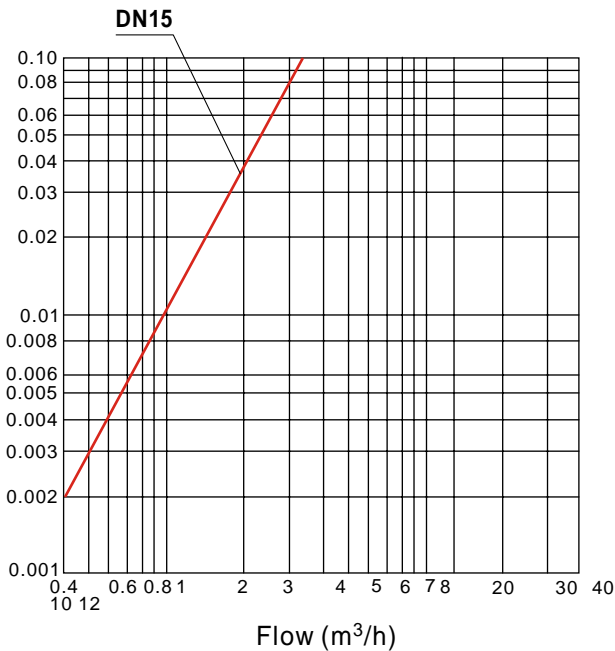
Nominal diameter	DN	15
Maximum flow rate	m ³ /h Q _{max}	3.0
Nominal flow rate	m ³ /h Q _n	1.5
Transition flow rate	l/h Q _t	22.5
Minimum flow rate	l/h Q _{min}	15

◆ Maximum Permissible Error:

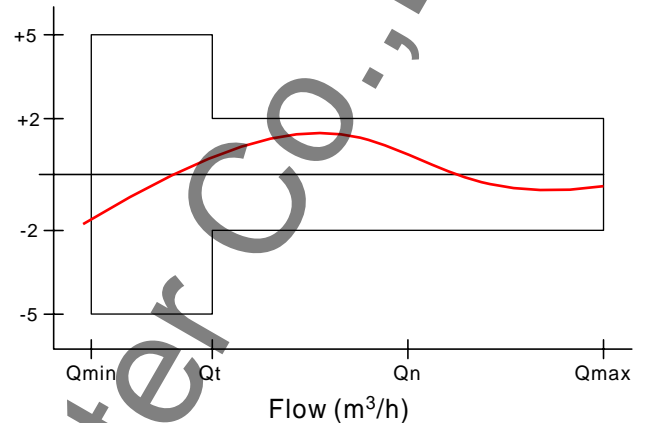
In the lower zone from Q_{min} inclusive up to but excluding Q_t is $\pm 5\%$.

In the upper zone from Q_t inclusive up to and including Q_{max} is $\pm 1\%$

Head Loss Curve

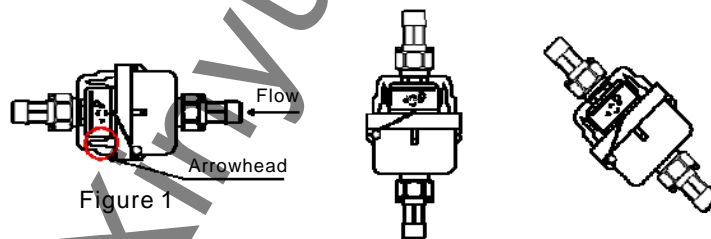


Accuracy Curve



Installation

- ◆ Attention should be paid that the cold water meter must not be used for hot water and caustic liquid.
- ◆ The nominal diameter of water meter should be selected according to the volume of water passing through the pipeline.
- ◆ The meter can be installed in any position:



- ◆ The meter must be installed with the direction of the flow as indicated by the arrow cast in the meter body (see figure 1).
- ◆ In order to keep the water meter in good working, the pipeline should be clear up before install the meter.
- ◆ The valves must be installed in the front and the back of the water meter.
- ◆ The water meter should not be installed under the surface of water.