



## Application

Measuring the volume of cold potable water passing through the pipeline

## Working Conditions

Water temperature:  $\leq 40^{\circ}\text{C}$

Water pressure:  $\leq 1.6\text{MPa}$

## Features

- With external regulating device
- Wet dial with straight reading register working submerged in the water
- Mechanical transmission movement equates to maximum reliability
- Internal strainer
- Inlet strainer

## Compliance with Standard

- Technical data conforms to ISO 4064 Class B
- Standard for horizontal installation

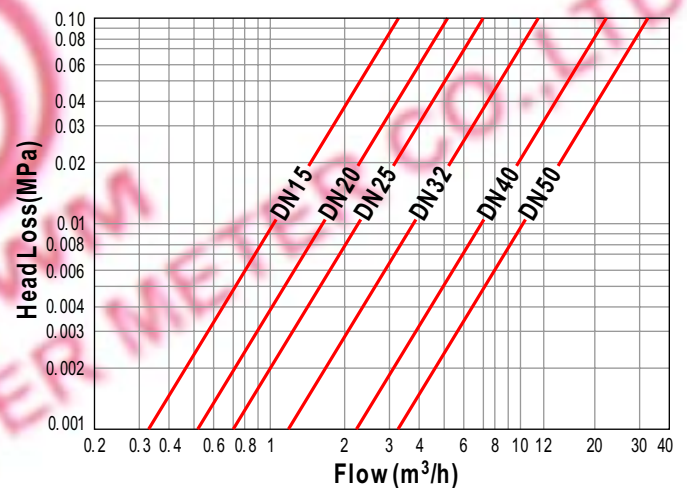
## Options

- Non return valve for selecting except LXS-50E and LXS-15E when body length is equal to 130mm and 165mm
- There are two versions DN50 meter body to choose: with threaded ends and with flanged ends
- Meter for hot water up to  $90^{\circ}\text{C}$  is available

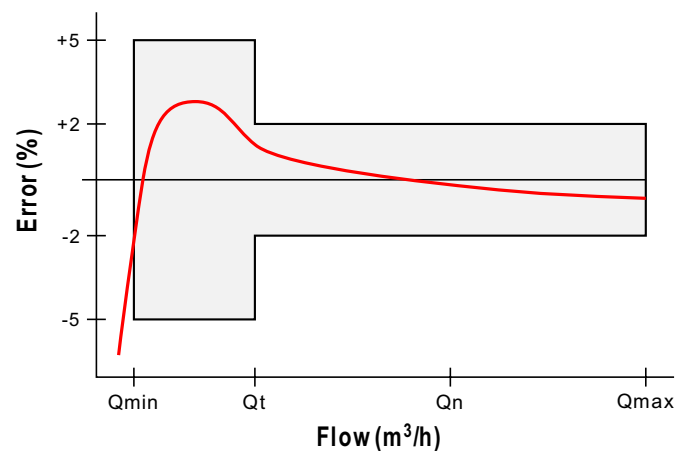
## Installation Requirements

- The meter should be installed in horizontal position with the register face upwards
- Pipeline must be flushed before installation
- The meter should be constantly full of water during operation

## Head Loss Curve



## Accuracy Curve



## Main Technical Data

Nominal diameter	DN	15	20	25	32	40	50	
Maximum flow rate	m <sup>3</sup> /h	Qmax	3.0	5.0	7.0	12	20.0	30.0
Nominal flow rate	m <sup>3</sup> /h	Qn	1.5	2.5	3.5	6.0	10.0	15.0
Transition flow rate	l/h	Qt	120	200	280	480	800	1200
Minimum flow rate	l/h	Qmin	30	50	70	120	200	300
Maximum reading	m <sup>3</sup>		99999.99995				999999.9995	
Minimum reading	m <sup>3</sup>		0.00005				0.0005	

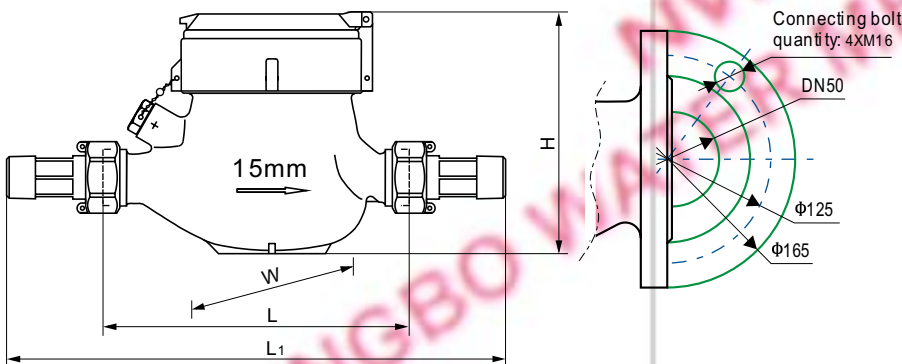
## Maximum Permissible Error:

In the lower zone from Qmin inclusive up to but excluding Qt is  $\pm 5\%$ .

In the upper zone from Qt inclusive up to and including Qmax is  $\pm 2\%$  (cold potable water meter).

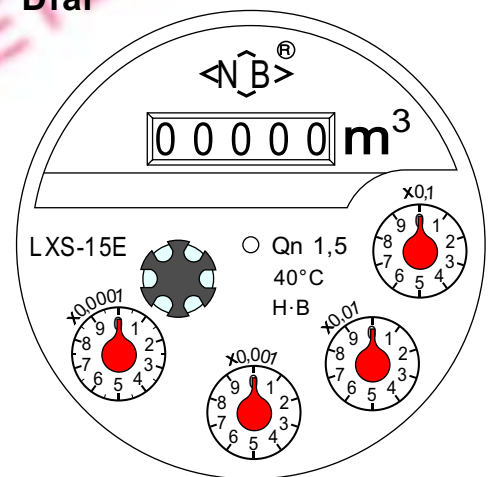
In the upper zone from Qt inclusive up to and including Qmax is  $\pm 3\%$  (hot water meter).

## Dimension Picture



Nominal diameter and arrow are indicated on the side of the meter body.  
Arrow is indicated on the other side. The lid can open more than 180°.

## Dial



## Dimensions and Weights

Nominal diameter	DN	15	20	25	32	40	50	
Body thread	D	G3/4B	G1B	G1 $\frac{1}{4}$ B	G1 $\frac{1}{2}$ B	G2B	G2 $\frac{1}{2}$ B	
Connector thread	d	R1/2	R3/4	R1	R1 $\frac{1}{4}$	R1 $\frac{1}{2}$	R2	
Body length	mm	L	165	190	260	260	300	
Overall length	mm	L <sub>1</sub>	259	294	380	384	448	
Width	mm	W	94	94	98	98	122	145
Meter height	mm	H	106	106	115	115.5	142	177.5
Weight without connectors	Kg		1.5	1.7	2.6	2.8	5.1	8.5
Weight with connectors	Kg		1.68	1.98	3.12	3.6	6.14	10.22

Nominal diameter	DN	15					20	
Body length for selecting	mm	L	110	130	145	170	190	160

DN50(Flanged ends): 11.5 Kg. "L<sub>1</sub>" is the total length when coupling gaskets without compression.