



GLOBAL **VALVE** TECHNOLOGY

## Volumetric Rotary Piston Water Meter



◆ **LXH-40B(DN40)**  
**[Flanged ends]**

### Application

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

### Features

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

### Indication

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

### Compliance with Standard

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

### Working Conditions

- ◇ Water temperature:  $\leq 40^\circ$ .
- ◇ Water pressure:  $\leq 1.6$ MPa.



### Main Technical Data

Nominal diameter	DN	40	
Maximum flow rate	m <sup>3</sup> /h	Qmax	20.0
Nominal flow rate	m <sup>3</sup> /h	Qn	10.0
Transition flow rate	l/h	Qt	150
Minimum flow rate	l/h	Qmin	100
Maximum reading	m <sup>3</sup>		99999.999
Minimum reading	m <sup>3</sup>		0.001
Minimum graduation	L		0.2

Maximum Permissible Error:

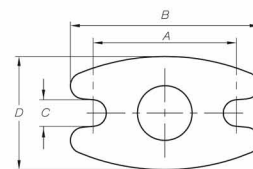
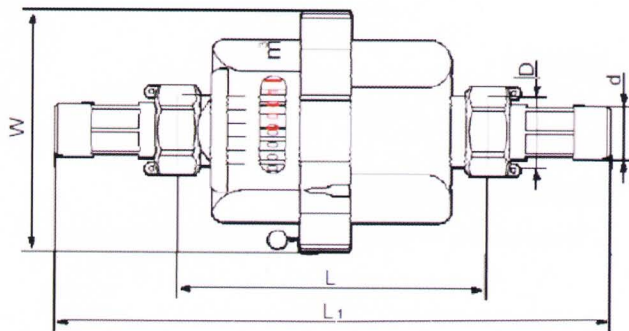
- ◇ In the lower zone from Qmin inclusive up to but excluding Qt is ±5%.
- ◇ In the upper zone from Qt inclusive up to and including Qmax is ±2%.

### Dimensions and Weights

Nominal diameter	DN	40	
Body thread	D	G2B	
Connector thread	d	R1 <sup>1</sup> / <sub>2</sub>	
Body length	mm	L	300
Overall length	mm	L <sub>1</sub>	431
Width	mm	W	174
Weight without connectors	Kg		6.5
Weight with connectors	Kg		7.54

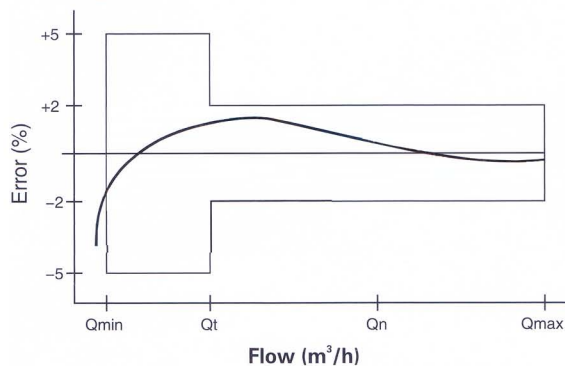
◇ "L<sub>1</sub>" is the total length when coupling gaskets without compression.

### Dimension Picture



Nominal diameter DN	Dimensions, mm			
	A	B	C	D
40	92 ±1.5	124 ±3.0	14 ±1.5	76 ±3.0

### Accuracy Curve



◇ Nominal diameter and arrow are indicated on the side of the body, which we can see from dimensions picture.

◇ Maximum flow rate and arrow are indicated on the other side.

For example:

### Head Loss Curve

