

# JIANGBEI WATER METERS LXH

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*Volumetric Rotary Piston Water Meters (Class C, Class D, R160, R200)*



LXH-J is our newly developed economic type volumetric water meter with the mechanical transmission and liquid-sealed register, for residential application in sizes 15mm for cold water.

## Features

- \*Ensures high sensitivity and accurate registration throughout a wide flow range.
- \*Mechanical transmission movement with the maximum reliability; no influence from the external magnetic field.
- \*Liquid-sealed register. The rollers are protected by a special liquid, encapsulated from water, ensures a clearing reading in any operating conditions.
- \*Corrosion resistant body
- \*Low starting flow rate.
- \*Suitable for any position installation.
- \*Internal on return valve to avoid the reserve flow rate.

## **NINGBO JIANGBEI WATER METER FACTORY**

No. 6, Lane 150, Beihai Rd., Ningbo, China

Website: [www.ningbowatermeter.com](http://www.ningbowatermeter.com); [www.ningbosb.com](http://www.ningbosb.com)

Tel: +86-574 87577577

Fax: +86-57487577646

Cell (WhatsApp): 0086-13738435823

Skype: rosarosa912

E-mail: [jiangbei@ningbowatermeter.com](mailto:jiangbei@ningbowatermeter.com)/[nbjbsb@163.com](mailto:nbjbsb@163.com)

# JIANGBEI

# WATER METERS

## LXH

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\*Internal strainer.

### Standard Compliance

Technical data conforms to ISO 4064 Class C, Class D, R160, R200 standard.

### Optional Features

- \*Meter body: Brass, stainless steel and plastic.
- \*Pulse output pre-equipped (ready for remote-reading) for option.
- \*The Pulse output Device consists of a plastic housing with Reed Switch, and 1,5 m cable with 2 cores in Red and Black.
- \*Electric Data:  $V_{max}=24AC/DC$ ,  $I_{max}=0,01A$
- \*Capacity of the Pulse output or Pulse output pre-equipped: Size Dn15 & Dn20 & Dn25, Pulse Emitter Capacity 1 liter / 2pulses)

### Working Conditions

Water temperature:  $\leq 50^{\circ}C$  for cold water meter

Water temperature:  $\leq 90^{\circ}C$  for hot water meter

Water pressure:  $\leq 1MPa$  or 1.6MPa optional  
(10bar or 16bar optional)

### Installation requirements

- \*The meter can be installed in any position.
- \*Pipeline must be flushed before installation.
- \*The meter should be constantly full of water during operation.
- \*The meter must be installed with the direction of the flow as indicated by the arrow cast in the meter body.

### Maximum Permissible Error

In the lower zone from  $Q_{min}(Q1)$  inclusive up to but excluding  $Q_t$  ( $Q2$ ) is  $\pm 5\%$ .

In the upper zone from  $Q_t(Q2)$  inclusive up to and including  $Q_{max}(Q4)$  is  $\pm 2\%$  (cold water meter) .

In the upper zone from  $Q_t(Q2)$  inclusive up to and including  $Q_{max}$  ( $Q4$ ) is  $\pm 3\%$  (hot water meter).

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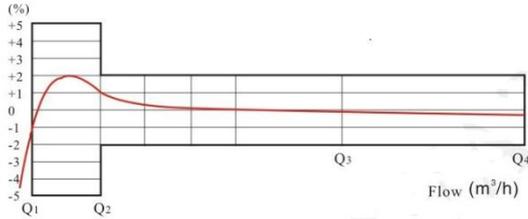
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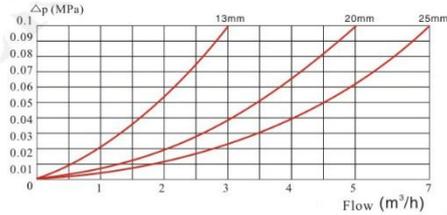
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**Flow Error Curve**



**Pressure Loss Curve**



## Accessories

Each water meter has one set couplings optional: 2pcs tube, 2pcs nut and 2pcs gasket

### MAIN TECHNICAL DATA According to ISO4064 (2003) Standard

Size	Class	Qmax	Qn	Qt	Qmin	Min reading	Max reading
		maximum flow	Nominal flow	Transitional flow	Min flow		
DN(mm)		m <sup>3</sup> /h		L/h		m <sup>3</sup>	
15	C	3	1.5	22.5	15	0.00002	9,999
	D			17.2	11.2		

### MAIN TECHNICAL DATA According to ISO4064:2005 (New Standard)

Size	Class	Q4	Q3	Q2	Q1	Min reading	Max reading
		Maximum flow	Nominal flow	Transitional flow	Min flow		
DN(mm)		m <sup>3</sup> /h		L/h		m <sup>3</sup>	
15	R160	3.125	2.5	25	15.625	0.00002	9,999
	R200			20	12.5		

## Dimensions and Weight

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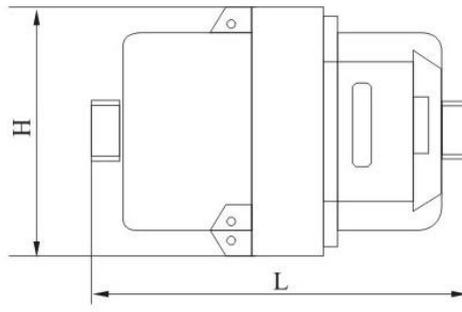
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Meter Size	Length (L)	Length (L1)	Width (W)	Connecting Thread
mm	mm			D
15	115	209	91	G 3/4B

*L1: the total length with connection and the gasket without compression.*

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