

LXS-15S1 Multi-jet Dry Type Vane Wheel Water Meter (Wet dial optional)



Features

1. With external regulating device
2. Magnetic drive, lower transmission resistance
3. Magnetic shield, use for external magnetic field protection
4. Evacuated and sealed dry dial register ensures clear reading
5. Inlet strainer
6. There are two versions DN50 meter body to be chosen:
With threaded ends or flanged ends

Compliance with Standard

Technical data conforms to ISO 4064 Class B standard for horizontal installation

Options

- a. Wet dial register is available
- b. Meter for hot water up to 90 C is available
- c. Meter equipped with reed switch is available

Installation Requirements

1. The meter can be installed in horizontal position
With the register face upwards
2. Pipeline must be flushed before installation
3. The meter should be constantly full of water during operation

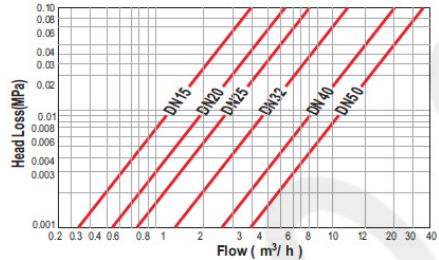
Application

Measuring the volume of cold potable water passing through the pipeline

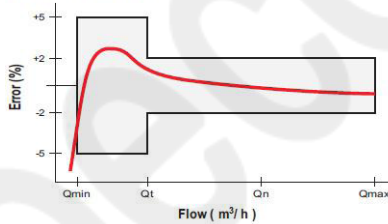
Working Conditions

Water temperature: $\leq 40\text{ }^{\circ}\text{C}$
Water pressure: $\leq 1.6\text{ MPa}$

Head Loss Curve



Accuracy Curve



Main Technical Data

| Nominal diameter | | DN | 15 | 20 | 25 | 32 | 40 | 50 |
|----------------------|-------------------|------|-------------|-----|----------|-----|--------------------------|--------|
| Maximum flow rate | m ³ /h | Qmax | 3.0 | 5.0 | 7.0 | 12 | 20.0 | 30.0 |
| Nominal flow rate | m ³ /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 | 3000 |
| Minimum flow rate | l/h | Qmin | 30 | 50 | 70 | 120 | 200 | 450 |
| Maximum reading | m ³ | | 99999.99995 | | | | 999999.99995/999999.9995 | |
| Minimum reading | m ³ | | 0.000 05 | | 0.00005/ | | | 0.0005 |

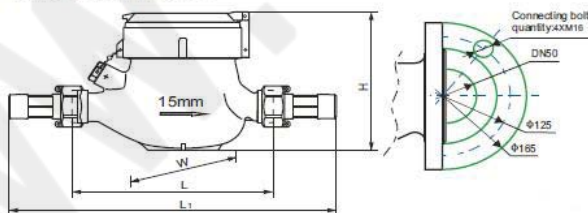
Maximum Permissible Error:

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 $\pm 2\%$

Dimensions and Weights

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°.

| 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 | 260/225 | 260/230 | 300/280 |
| Overall length | mm | L ₁ | 259 | 294 | 380/345 | 384/354 | 431/376 |
| Width | mm | W | 94 | 94 | 98 | 98 | 122 |
| Meter height | mm | H | 107.5 | 107.5 | 117.5 | 117.5 | 141.5 |
| Weight without connectors | Kg | | 1.5 | 1.7 | 2.6/2.4 | 2.8/2.7 | 5.1/4.8 |
| Weight with connectors | Kg | | 1.68 | 1.98 | 3.12/2.92 | 3.6/3.5 | 6.14/5.84 |

| Nominal diameter | DN | 15 | 20 |
|---------------------------|----|----|-----|
| Body length for selecting | mm | L | 110 |

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