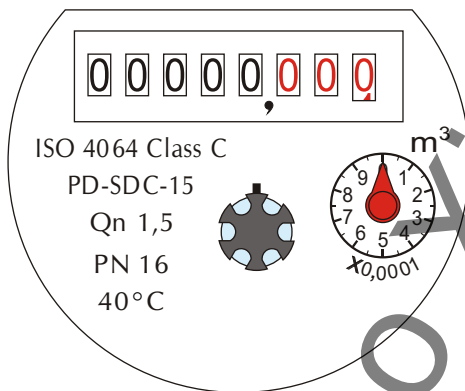


DN15、DN20 Screw Connection



Dial Plate

DN15~DN20



PD-SDC(E4)

Volumetric Rotary Piston Water Meter

It is a Rotary Piston water meter for residential application in sizes 15mm and 20mm for cold meter.

Features

- ✦ Ensures high sensitivity and accurate registration throughout a wide flow range
- ✦ Low starting flow rate and excellent metrological performance
- ✦ Magnetic drive, lower transmission resistance
- ✦ Magnetic shield, use for external magnetic field protection
- ✦ Sealed dry dial register ensures clear reading
- ✦ Register can rotate not more than 360°
- ✦ Internal strainer, inlet strainer for selecting
- ✦ Outlet non return valve for selecting

Standards Compliance

- ✦ ISO 4064 Class C Standard

Optional Features

- ✦ Several lengths and connections available on request
- ✦ U.S.gallon(USG) Cubic Feet (CF) for selecting
- ✦ Can be equipped with reed switch option

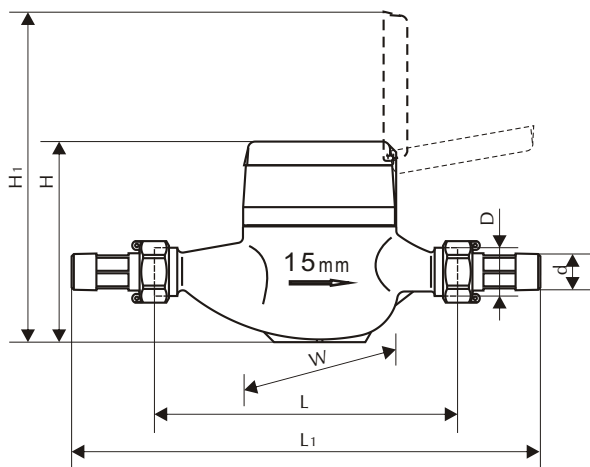
Working Conditions

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

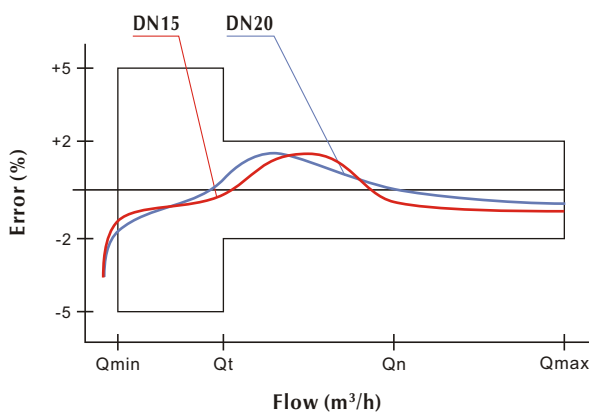
Installation Requirements

- ✦ 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.

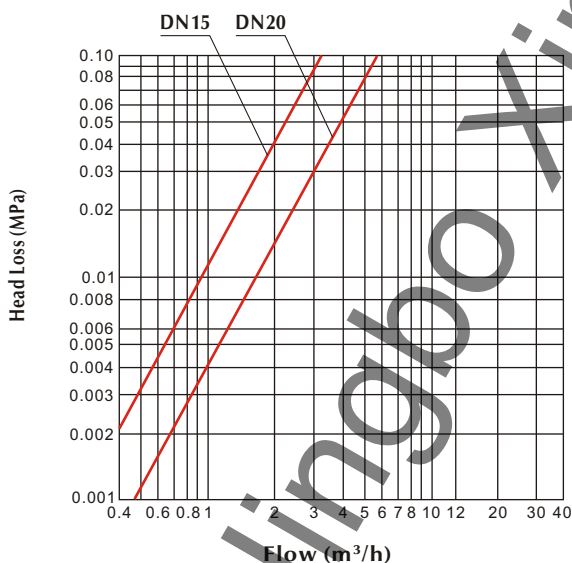
Dimension Picture



Accuracy Curve



Head Loss Curve



Technical Characteristics

Dimensions and Weights

Nominal diameter	DN	15	20
Body thread	D	G3/4B	G1B
Connector thread	d	R1/2	R3/4
Body length	mm	L	170/165
Overall length	mm	L1	264/259
Width	mm	W	84
Meter height	mm	H	109.5
Working height	mm	H1	181
Weight without connectors	Kg	1.17(L = 170)	1.75
Weight with connectors	Kg	1.35(L = 170)	2.08

1. "L1" is the total length when coupling gaskets without compression.
2. The weight for reference.

Description of the Register

Nominal diameter	DN15/20
Number of black numbered roller	5
Number of red numbered roller	3
Number of red pointer	1
Maximum reading	m ³
Minimum reading	m ³
Minimum graduation	L

Main Technical Data

Nominal diameter	DN	15	20
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 $\pm 2\%$.