

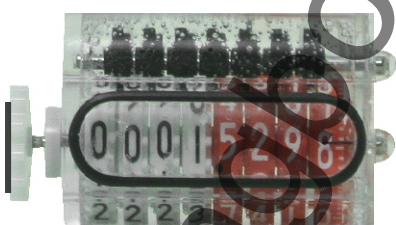
DN15~DN40 Screw Connection



Register:



Register: (with reed switch option)



PD-LFC(B)

Volumetric Rotary Piston Water Meter

It is a Rotary Piston water meter for residential application in sizes 15mm and 40mm for cold meter.

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

Standards Compliance

- ✦ ISO 4064 Class C Standards

Optional Features

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

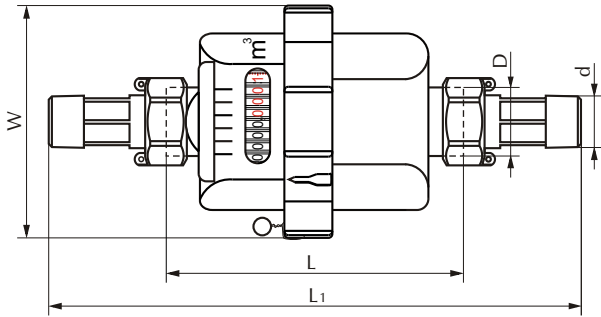
Working Conditions

- ✦ 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



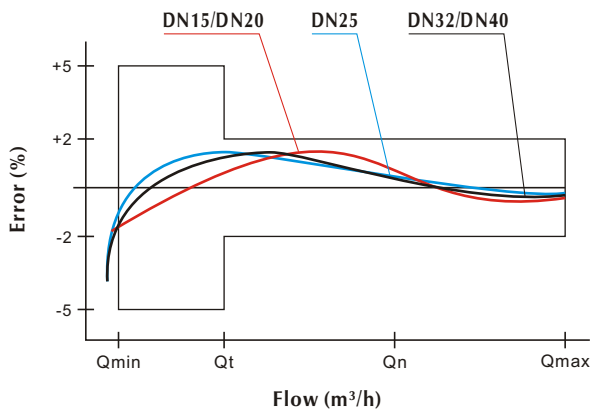
Technical Characteristics

Dimensions and Weights

Nominal diameter	DN	15	20	25	32	40
Body thread	D	G3/4B	G1B	G1 $\frac{1}{4}$ B	G1 $\frac{1}{2}$ B	G2B
Connector thread	d	R1/2	R3/4	R1	R1 $\frac{1}{4}$	R1 $\frac{1}{2}$
Body length	mm	L	115	130	170	260
Overall length	mm	L1	209	234	290	384
Width	mm	W	90	96	112	139
Weight without connectors	Kg		0.95	1.2	1.8	4.2
Weight with connectors	Kg		1.13	1.48	2.32	4.99

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

Accuracy Curve



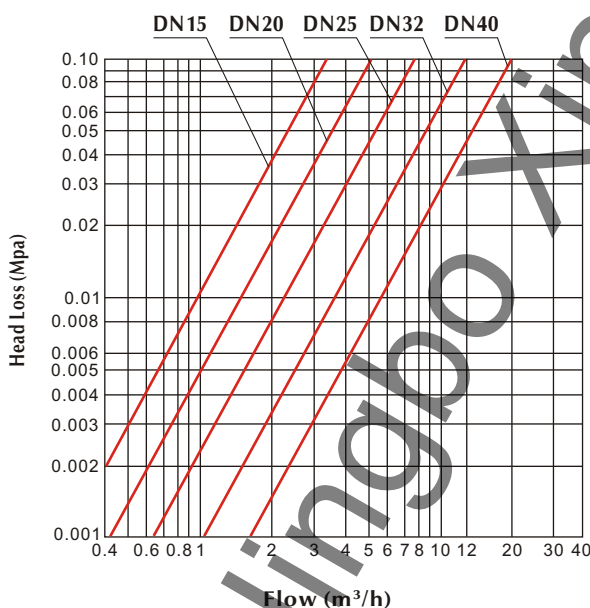
Description of the Register

Nominal diameter	DN 15/DN 20/ DN 25/ DN 32	DN 40
Number of black numbered roller	4	5
Number of red numbered roller	4	3

Main Technical Data

Nominal diameter	DN	15	20	25	32	40
Maximum flow rate	m ³ /h	Qmax	3.0	5.0	7.0	12.0
Nominal flow rate	m ³ /h	Qn	1.5	2.5	3.5	6.0
Transition flow rate	l/h	Qt	22.5	37.5	52.5	90
Minimum flow rate	l/h	Qmin	15	25	35	60
Maximum reading	m ³		9999.99998			99999.9998
Minimum reading	m ³		0.00002			0.0002

Head Loss Curve



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 $\pm 2\%$.