

DN15 DN20 Screw Connection

## PD-LFC(A)

### 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
- ✦ 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: 40°C
- ✦ Water pressure: 1.6 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.



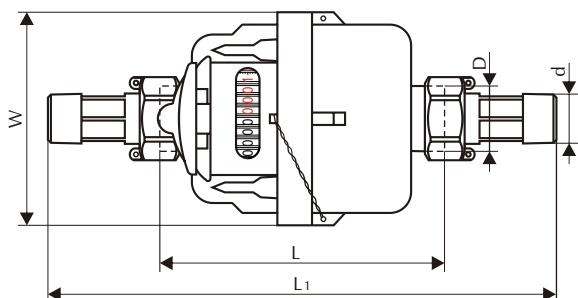
Register:



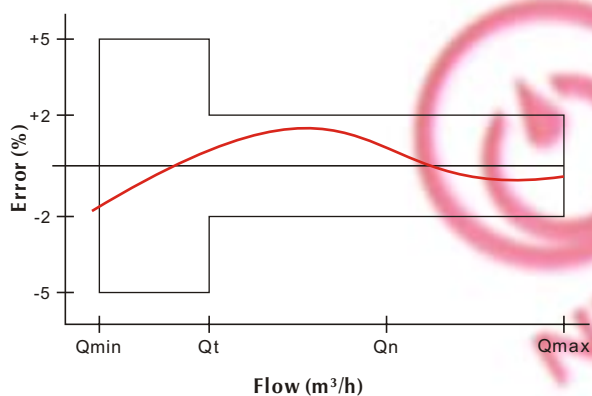
Register: (with reed switch option)



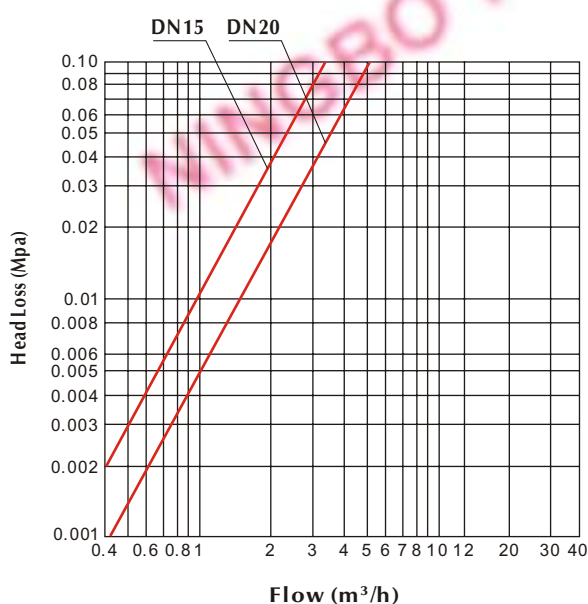
## Dimension Picture



## 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	115
Overall length	mm	L1	209
Width	mm	W	86
Weight without connectors	Kg		0.85
Weight with connectors	Kg		1.1
			1.03
			1.38

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

### Description of the Register

Nominal diameter	DN15/DN20
Number of black numbered roller	4
Number of red numbered roller	4

### Main Technical Data

Nominal diameter (DN)	mm	Cold water	
		15	20
	Inches	1/2"	3/4"
Maximum admissible temperature	°C	40	
Q <sub>min</sub> ± 5%	L/h	15	25
Q <sub>t</sub> ± 2%	L/h	22.5	37.5
Q <sub>n</sub> ± 2%	m <sup>3</sup> /h	1.5	2.5
Q <sub>max</sub> ± 2%	m <sup>3</sup> /h	3	5
Pressure loss group at Q <sub>max</sub>	bar	1	
Maximum admissible pressure	bar	16	
Testing pressure	bar	25	
Indicating range	m <sup>3</sup>	9999.99998	
Minimum scale interval	m <sup>3</sup>	0.00002	

### Maximum Permissible Error

- In the lower zone from Q<sub>min</sub> inclusive up to but excluding Q<sub>t</sub> is ± 5% .  
 In the upper zone from Q<sub>t</sub> inclusive up to and including Q<sub>max</sub> is ± 2% .