

WATER METERS

PD-LFC (B)

Piston Displacement Liquid sealed Register (Volumetric)

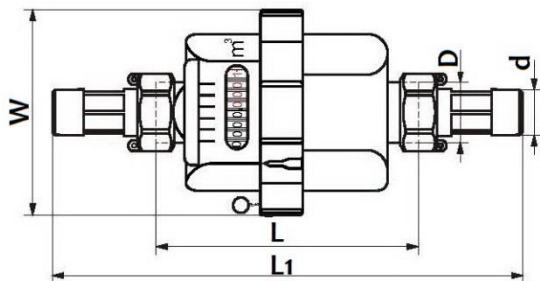


PD-LFC (B) is Piston Displacement (Volumetric) water meter with mechanical transmission, liquid sealed register has the sizes from Dn15 to Dn40 meets to the requirements of Directive 2004/22/EC on measuring instruments; the European Standard **EN14154+A1+A2**: Water Meter; the International Organization of Legal Metrology **OIML R-49: 2006(E)**: Water meters intended for the metering of cold potable water and hot water.

Characteristics:

- All the components are produced with high resistance and quality materials, technical plastics and stainless steel parts;
- Cold water meter under current standard for lower than 30 °C (T30), but NWM PD-LFC (B) can be used safely in water temperature up to 50 °C (T50);
- The rollers are protected by special liquid don't touch with the water which ensures the clear reading in any operating conditions;
- The mechanical transmission movement with the maximum reliability; no influence from the external magnetic field;
- Suitable for any position installation;
- Non Return Valve to avoid the reserve flow Rate;

Dimension:



Size	Dn15	Dn20	Dn25	Dn32	Dn40
L	115	130	170/260	260	300
L1	209	234	290/380	384	431
D	G3/4B	G3/4B	G1-1/4B	G1-1/2B	G2B
d	R1/2	R3/4	R1	R1-1/4	R1-1/2
W	90	96	112	139	174

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

WATER METERS

PD-LFC (B)

Main Technical Data:



Size	mm	Dn15	Dn20	Dn25	Dn32	Dn40
R	Q3/Q1	160	160	160	160	160
Q4	m ³ /h	3,125	5	7,875	12,5	20
Q3	m ³ /h	2,5	4	6,3	10	16
Q2	l/h	25	40	63	100	160
Q1	l/h	15,625	25	39,375	62,5	100
Max. Reading	m ³	9999,9999			99999,9999	
Min. Reading	Liter	0,02				
Pressure Loss	ΔP	ΔP<63 at Q3				
Max. Pressure	MAP	MAP16				
Max. Temperature	°C	T30 or T50				

(For different Q3 and R, please contact with NWM manufacture).

Dial Plate:



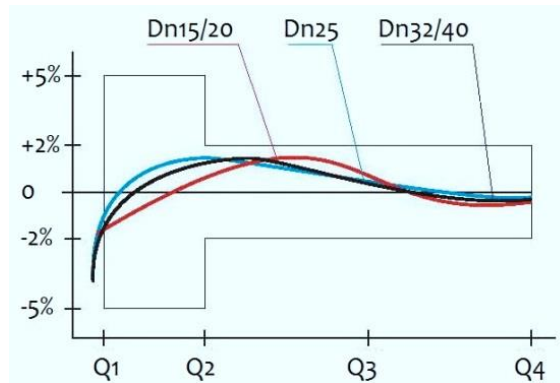
WATER METERS

PD-LFC (B)

Max. Permission Error (for T30):

From Q1 inclusive up to but excluding Q2 is $\pm 5\%$;

From Q2 inclusive up to and including Q4 is $\pm 2\%$;

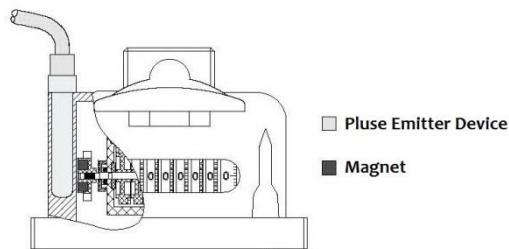


OPTION VISION of PD-SDC (B):

Pulse output pre-equipped **AS OPTION**, also Pulse output **AS OPTION**.



DETAIL AS:



Design of the Pulse Output Vision

- 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-Dn32-Dn40
Pulse output Capacity	2 pulses/liter