

LXLC(R)-50~200(mm)

Removable element woltman cold (hot) water meter

This type of water meter can be used for a remote reading transmission system as equipped with a built-in sensor.



Application

--Measuring the volume of cold (hot) water passing through the pipeline

--Wide measuring range and low initial flow rate. Moreover, it combines the advantages of the rotor water meter such as large flow capacity, small pressure loss and high minimum flow measurement accuracy of the rotor water meter. It uses a special bearing system to improve wear resistance. In addition, the movement has a detachable structure to facilitate user maintenance.

Feature:

- Removable element structure, easy installation and maintenance, register for universal use within this range detachable without Removing the meter from the pipeline;
- Dry-dial, Magnetic drive sensitive action, small pressure loss;
- Brass bowl and vacuum sealed register ensures the dial keep free from fog and Keep the reading clear in a long term service;
- Selected high quality materials for steady & reliable characteristic;
- Technical data conform to international standard ISO 4064.
- All meters would be pre-equipped with reed switch.

Working condition

Water temperature: $0.1^{\circ}\text{C} \sim 50^{\circ}\text{C}$ ($0.1^{\circ}\text{C} \sim 90^{\circ}\text{C}$ for hot water meter)

Water pressure: $\leq 1\text{Mpa}$ (1.6MPa for special requirement)

Maximum permissible errors

- (1) in the lower zone from q_{\min} inclusive up to but excluding q_t is $\pm 5\%$
- (2) in the upper zone from q_t inclusive up to and including q_s is $\pm 2\%$ ($\pm 3\%$ for hot water meter)

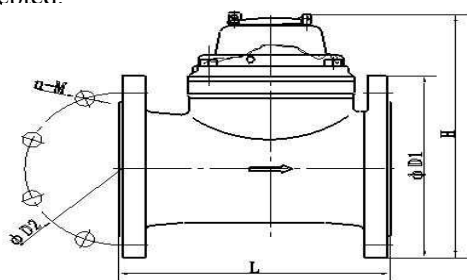
MAIN TECHNICAL SPECIFICATIONS

Type	Size (mm)	Q3/Q1	Q ₄	Q ₃	Q ₂	Q ₁	Min. Reading	Max. Reading
			Overload Flow	Permanent Flow	Transitional Flow	Min. Flow		
			m ³ /h				m ³	
LXLC-50	50	160	78.75	63	0.64	0.4	0.01	999999
LXLC-65	65		125	63	0.64	0.4	0.01	999999
LXLC-80	80		125	100	1	0.625	0.01	999999
LXLC-100	100		125	160	12.6	1	0.01	999999
LXLC-125	125		312.50	250	2.5	1.57	0.1	999999
LXLC-150	150		500	400	4	2.5	0.1	999999
LXLC-200	200		787.50	630	6.4	4	0.1	999999

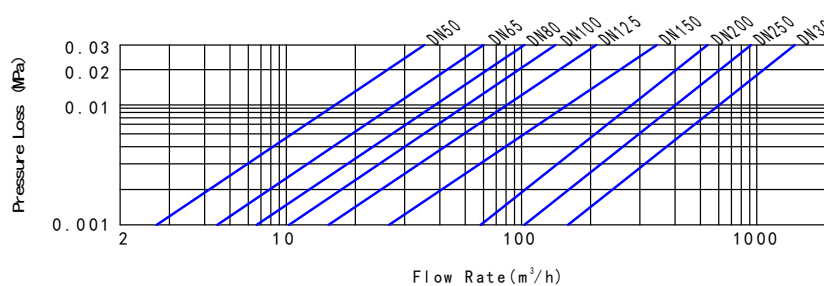
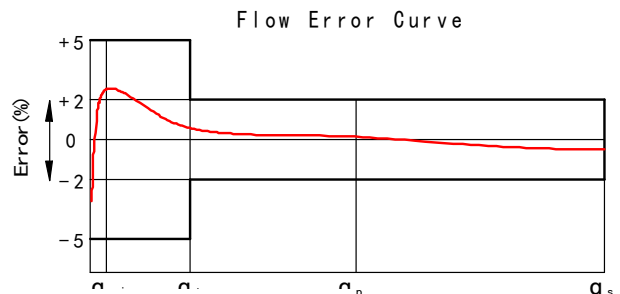
DIMENSIONS

Type	Size	L Length	B Width	H Height	Connecting flange		
					φ D1 Outside diameter	φ D2 Bolt circle diameter	Connecting Bolts (n-M)
					mm		
LXLC-50	50	200	165	215	165	125	4xM16
LXLC-65	65	200	185	223	185	145	4xM16
LXLC-80	80	225	200	233	200	160	8xM16
LXLC-100	100	250	220	288	220	180	8xM16
LXLC-125	125	250	250	298	250	210	8xM16
LXLC-150	150	300	285	342	285	240	8xM20
LXLC-200	200	300	340	369	340	295(PN16)	12xM20

NOTE: The flange dimension conforms to ISO7005-2:1988 standard. Order for products of special requirements is also accented.



pressure Loss Curve





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LXLC-50~300 REMOVABLE ELEMENT WOLTMAN WATER METER

Code	Description	Material	QTY
1	Screw For Sealing	Stainless Steel	2
2	Cover With Lid	Assembly	1
3	Sealed Register	Assembly	1
4	Position Pin	Stainless Steel	1
5	Lead Seal Bolt	Stainless Steel	2
6	Adjusting Nut	Brass	1
7	Gasket	Brass	1
8	Flange Cover	GGG40 ductile Iron	1
9	O-ring	Silicon Rubber	1
10	Bush	Brass	1
11	Gasket	Synthetic Rubber	1
12	Adjusting Lever	Brass	1
13	Connecting Lever	MPPO	1
14	Adjusting Plate	MPPO	1
15	Support	MPPO	1
16	Bolt	Brass	1
17	Turbine Component	Assembly	1
18	Rectifier	MPPO	1
19	Screw	Brass	1
20	O-ring	Synthetic Rubber	1
21	Body	GGG40 ductile Iron	1
22	Screw M4×20	Stainless Steel	2
23	Gasket	Stainless Steel	3
24	Retainer	ABS	1
25	Fixing pin	Brass	1
26	Screw	Brass	4
27	Support	ABS	1
28	Bolt M12×35	Stainless Steel	2
29	Gasket	Stainless Steel	4
30	Upper Bearing Plate	Brass	1
31	Upper Bearing	Nylon With Graphite	1
32	Magnet Component	Component	1
33	Transmission Shaft	Stainless Steel	1
34	Sheath	MPPO	2
35	Bevel Gear	Nylon	1
36	Lower Bearing	Nylon With Graphite	1
37	Gasket	Brass	4
38	Screw	Brass	3
39	Nut	Brass	1
40	Gasket	Brass	1
41	Turbine Shaft Hold	Brass	1
42	Turbine Shaft	Tungsten Steel	1

