



DKflo Water Meter & Flow Meter

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LXLC(R)-40 – 300(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.

eature



Application

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

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;
- Vacum 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

Working condition

Water temperature: 0,1°C 40°C (0.1°C 90°C for hot water meter)

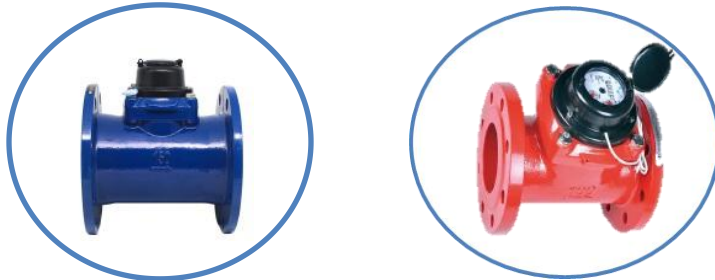
Water pressure : ≤ 1Mpa (1.6MPa for special requirement)

Maximum permissible errors

- (1) In the lower zone from q_{min} inclusive up to and including 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)

Horizontal detachable woltmann water meter

LXLC-40 300E



Usage : To measure the amount of cold water flowing through the water pipe for household or a resident ur

Features :

- 1) Dry magnetic structure, to ensure that the counter clean, clear display.
- 2) Six-digit increased character wheels display readings, reading more clearly.
- 3) Removable measuring movement structure, easy maintenance.
- 4) The measured flow direction is axial flow, circulation ability, small pressure loss, wide range, large water consumption, suitable for relatively stable flow conditions used.
- 5) High wear-resistant bearing system (gemstone bearing for aeronautical instrumentation + high wear-resistant carbide shaft) ensures long-term product stability and reliability, significantly increasing product maximum flow.
- 6) Using stainless steel fasteners and epoxy resin powder to spray inside and outside the shell, maximumly prevent from rust, extend product life.
- 7) Optional tamper protection cover. (To prevent users to open the movement, destroy or change the measurement mechanism, has the maximum anti-theft effect)

Options :

Remote device that can be configured with two kinds of pulse signal

Output : 1. Magnetic information pulse Output signal :

Use condition :

- Temperature class: cold water meter-T30 hot water meter-T30/90
- Water pressure rating: MAP10 (MAP16 for option)
- Technical parameters meets GB/T778.1 - 3 - 2007 (ISO 4064-1-3:2005 IDT)

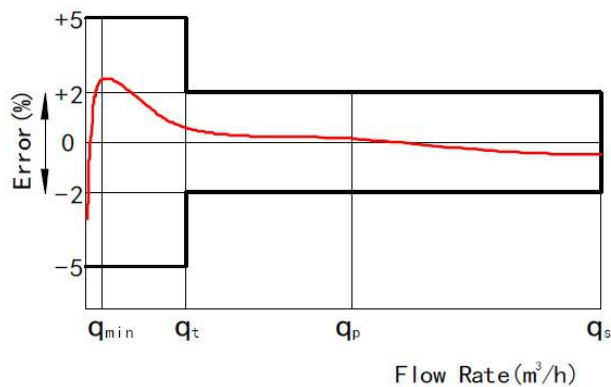
The Maximum allowable errors : Low area : $\pm 5\%$ High area $\pm 2\%$

Main technical specifications

Type	DN	Flow range		Q3	Min reading	Max reading	L	B	H	Connection flange			Weight
	mm	Q3/Q1	Q2/Q1	m ³ /h	m ³		mm			Flange diameter	Bolt hole	Number of	kg
LXLC-40	40	50、63、80、100	1.6、2.5、4、6.3										
LXLC-50	50			25	0.001	9,999,999	200	185	250	165	125	4-M16	12.5
LXLC-65	65			40	0.001	9,999,999	200	185	250	185	145	4-M16	13.5
LXLC-80	80			63	0.001	9,999,999	225	200	255	200	160	8-M16	13.8
LXLC-100	100			100	0.001	9,999,999	250	215	265	220	180	8-M16	16.2
LXLC-125	125			160	0.01	99,999,999	250	250	290	250	210	8-M16	19
LXLC-150	150			250	0.01	99,999,999	300	285	310	280	240	8-M20	24.5
LXLC-200	200			400	0.01	99,999,999	350	340	350	340	295	8-M20	37
LXLC-250	250			630	0.01	99,999,999	400	400	430	395	350	12-M20	65
LXLC-300	300			1000	0.01	99,999,999	450	450	460	445	400	12-M20	85

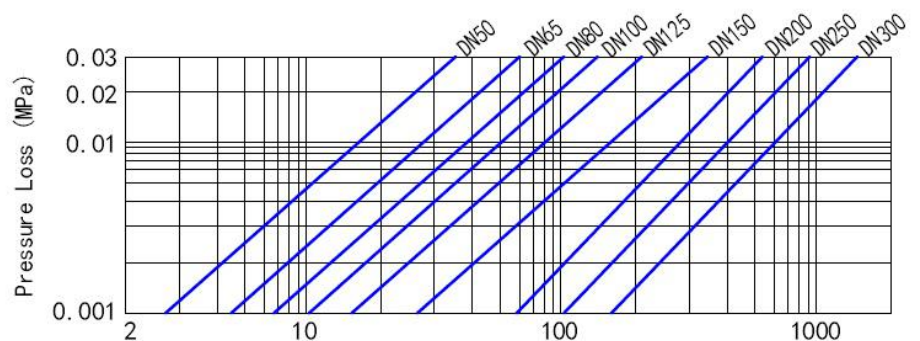
MAIN TECHNICAL SPECIFICATIONS

Type	Size (mm)	Class	Q_s Overload Flow	Q_p Permanent Flow	Q_t Transitional Flow	Q_{min} Min. Flow	Min. Reading	Max. Reading
			m^3/h				m^3	
LXLC-40	40	B	20	10	0.8	0.2	0.0002	999,999
LXLC-50	50	A	30	15	4.5	1.2	0.0002	999,999
		B			3.0	0.45		
LXLC-65	65	A	50	25	7.5	2.0	0.0002	999,999
		B			5	0.75		
LXLC-80	80	A	80	40	12	3.2	0.002	999,999
		B			8.0	1.2		
LXLC-100	100	A	120	60	18	4.8	0.002	999,999
		B			12	1.8		
LXLC-125	125	A	200	100	30	8	0.002	999,999
		B			20	3		
LXLC-150	150	A	300	150	45	12	0.002	999,999
		B			30	4.5		
LXLC-200	200	A	500	250	75	20	0.002	999,999
		B			50	7.5		
LXLC-250	250	A	800	400	120	32	0.002	999,999
		B			80	12		
LXLC-300	300	A	1200	600	180	48	0.02	9,999,999
		B			120	18		



Flow Error Curve

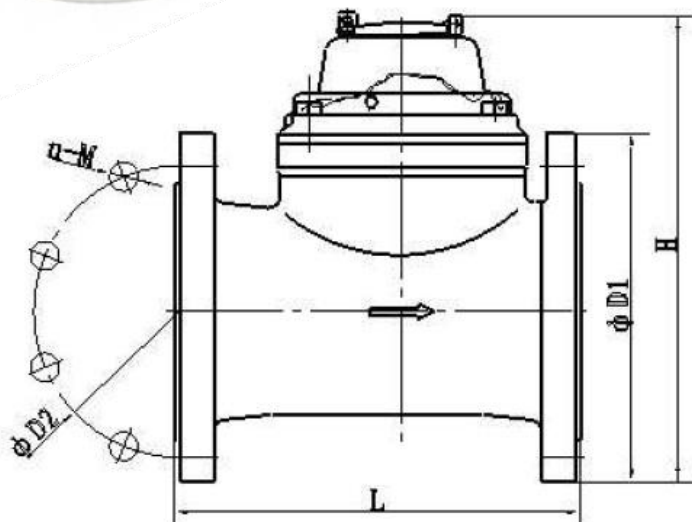
Pressure Loss Curve



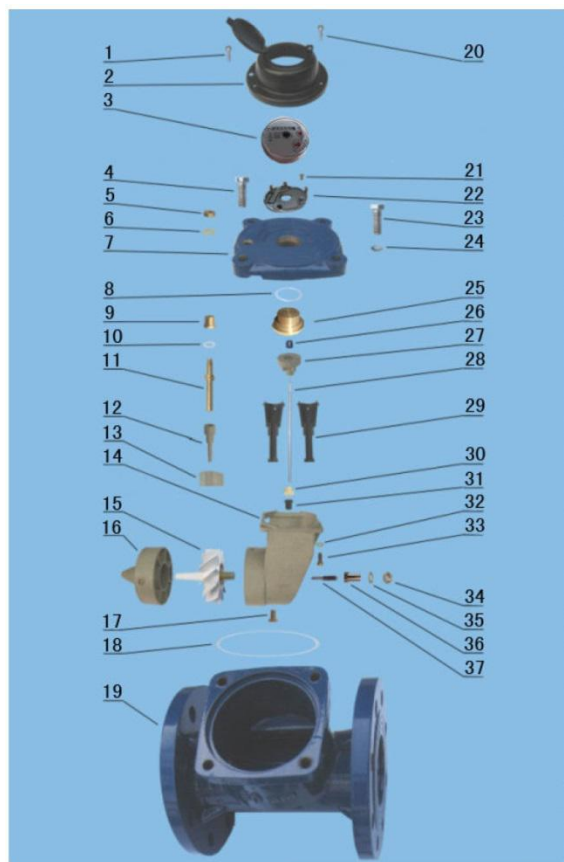
DIMENSIONS

Type	Size	L Length	H Height	Connecting flange		
				φ D1 Outside diameter	φ D2 Bolt circle diameter	Connecting Bolts (n-M)
	mm					
LXLC-40	40	200	255	150	110	4-M16
LXLC-50	50	200	261	165	125	4-M16
LXLC-65	65	200	271	185	145	4-M16
LXLC-80	80	225	279	200	160	8-M16
LXLC-100	100	250	289	220	180	8-M16
LXLC-125	125	250	299	250	210	8-M16
LXLC-150	150	300	319	285	240	8-M20
LXLC-200	200	350	346	340	295	8-M20(1.0MPa)
						12-M20(1.6MPa)
LXLC-250	250	400	434	395	350	12-M20(1.0MPa)
		450	434	405	355	12-M24(1.6MPa)
LXLC-300	300	450	459	445	400	12-M20(1.0MPa)
		500	459	460	410	12-M24(1.6MPa)

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



LXLC-50 – 300 REMOVABLE ELEMENT WOLTMAN WATER METER



Code	Description	Material	QTY
1	Screw For Sealing	Stainless Steel	1
2	Cover With Lid	Assembly	1
3	Sealed Register	Assembly	1
4	Screw M4×20	Stainless Steel	2
5	Gasket	Brass	2
6	Adjusting Nut	Brass	1
7	Flange Cover	Cast Iron	1
8	O-ring	Silicon Rubber	1
9	Bush	Brass	1
10	Gasket	Synthetic Rubber	1
11	Adjusting Lever	Brass	1
12	Connecting Lever	POM OR MPPO	1
13	Adjusting Plate	POM OR MPPO	1
14	Support	ABS OR MPPO	1
15	Turbine Component	Assembly	1
16	Rectifier	ABS OR MPPO	1
17	Screw	Brass	1
18	O-ring	Synthetic Rubber	1
19	Body	Cast Iron	1
20	Screw For Sealing	Stainless Steel	1
21	Screw For Sealing	Stainless Steel	3
22	Support	ABS	1
23	Screw M4×20	Stainless Steel	2
24	Gasket	Stainless Steel	4
25	Upper Bearing Plate	Brass	1
26	Upper Bearing	Nylon With Graphite	1
27	Magnet Component	Component	1
28	Transmission Shaft	Stainless Steel	1
29	Sheath	Nylon	2
30	Bevel Gear	POM	1
31	Bevel Gear	Nylon	1
32	Gasket	Stainless Steel	4
33	ScrewM5X12	Stainless Steel	4
34	Nut	Brass	1
35	Gasket	Brass	1
36	Turbine Shaft Hold	Brass	1
37	Turbine Shaft	Tungsten Steel	1

ROTARY VANE WHEEL DRY DIAL WATER METER

Working Condition :

- Water Temperature 50°C
- Working Pressure 1Mpa
- Specialist for Apartment

Special Features :

- Large measuring range high flow accuracy
- Steady curve characteristic
- Performance is up to standards ISO 4064

Meter Design :

- Universal interchangeable measuring insert
- Cleaning without breaking the seal is possible
- Dia 15-50mm connections with pipe thread
- Anti-magnet mechanism



Size Mm	Class	qs	qp	qt	qmin	Min Reading	Max Reading
		Max Flow	Nominal Flow	Transitional Flow	Min Flow		
		m³/h					
15	A	3	1.5	0.15	0.06	0.0001	99999
	B			0.12	0.03		
20	A	5	2.5	0.25	0.10		
	B			0.20	0.05		
25	A	7	3.5	0.35	0.14	0.0001	99999
	B			0.28	0.07		
32	A	12	6	0.60	0.24		
	B			0.48	0.12		
40	A	20	10	1.00	0.40	0.001	999999
	B			0.80	0.20		
50	A	30	15	1.50	0.6		