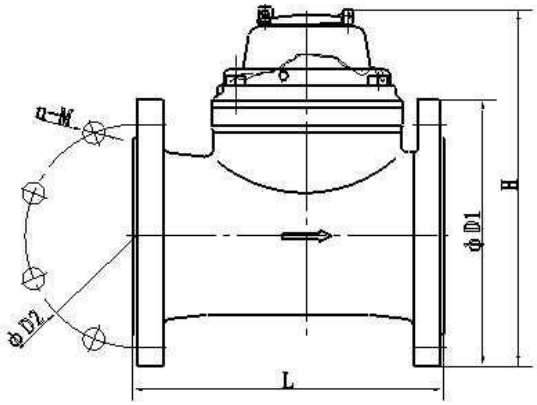
REMOVABLE ELEMENT WOLTMAN COLD (HOT) WATER METER

MODEL: LXLC-50~500

LXLC(R)-50-200

LXLC(R)-250-300



APPLICATION

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

FEATURES

◆Magnet-drive, dry dial, register sealed in vacuum, resistance to magnet and fog-proof, forever clean and legible dial for reading. detachable without Removing the meter from the pipeline;

◆High quality material applied to guarantee its function efficient and reliable.

◆Removable mechanism is easy to replace or fix and not required detaching the body from the pipeline.

◆Pulse emitter can be installed to this type for remote reading.

.Technical data conform to international standard ISO 4064. class B

WORKING CONDITION

◆Water temperature:

≤40℃for cold water meter

≤90℃for hot water meter

MAXIMUM PERMISSIBLE ERROR

Qmin→Qt(ex Qt)=±5%;
Qt→Qs(both included)=±2% or ±3%(hot water)
Qmin=Min Flow, Qt=Transition Flow, Qs= Max Flow.

Installation Instruction-------Bulk water meter

- Location for water meter must be accessible both for installation job and reading and far away from fog and humidity.
- This type water meter is horizontally installed only; verticality or slant installation is rejected. The arrow branded in the meter body must target in the same direction with the pipeline flow.
- A segment of straight pipe which lengthens at least 10xDN is required to set upstream the meter, another segment lengthens 5xDN downstream.
- Never protrude gasket of flange into inner pipe and never make it misalign with the flange.
- Thoroughly flush remainder/debris in the pipe before connecting water meter with pipeline.
- After installation the pipeline should be filled with water slowly to prevent from abrupt surge or air bubble which may destroy the meter or affect accuracy.
- The indicated QN & pressure , maximum temperature 100℃ for hot water meter, 50℃ for cold water meter, can not be exceeded.

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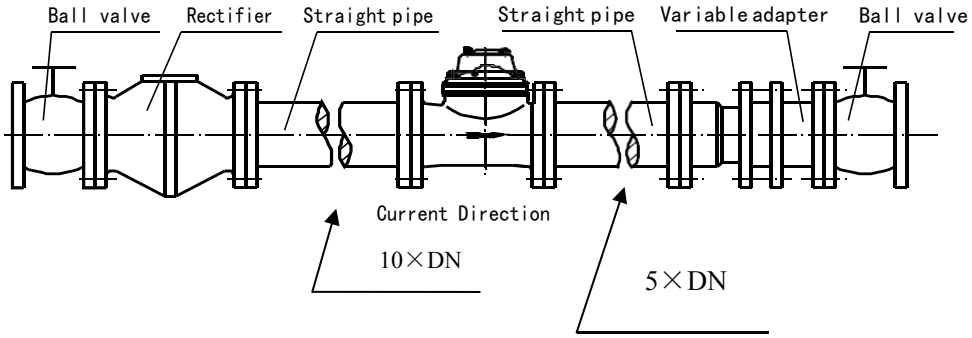
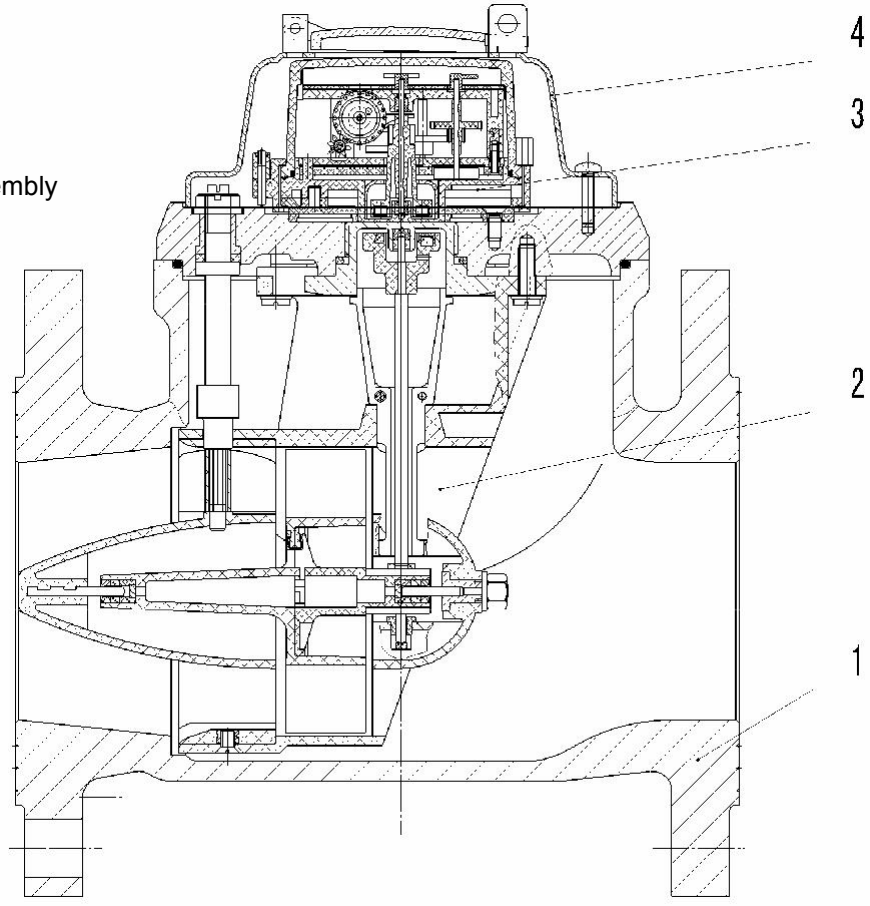


1. Fig.1 Assembly diagramts

1. body
2. measurement chamber assembly
3. register component
4. cover with lid



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MAIN TECHNICAL DATA

Type	Size (mm)	Class	q_s Max. Flow	q_p Nominal Flow	q_t Transitional Flow	q_{min} Min. Flow	Min. Reading	Max. Reading
			m^3/h				m^3	
LXLC-50	50	B	30	15	3.0	0.45	0.01	999,999
LXLC-65	65	B	50	25	5	0.75	0.01	999,999
LXLC-80	80	B	80	40	8.0	1.2	0.01	999,999
LXLC-100	100	B	120	60	12	1.8	0.01	999,999
LXLC-125	125	B	200	100	20	3	0.01	999,999
LXLC-150	150	B	300	150	30	4.5	0.01	999,999
LXLC-200	200	B	500	250	50	7.5	0.01	999,999
LXLC-250	250	B	800	400	80	12	0.01	9,999,999
LXLC-300	300	B	1200	600	120	18	0.01	9,999,999
LXLC-400	400	B	2000	1000	200	30	0.01	99,999,999
LXLC-500	500	B	3000	1500	300	45	0.01	99,999,999

DIMENSIONS AND WEIGHT

Type	Size	Length	Height	Wide	Connecting flnge			N.W(KG)
	mm				φD1 Outside diameter	φD2 Bolt circle diameter	Connecting Bolts (n-M)	
LXLC-50	50	200	261	232	165	125	4-M16	12
LXLC-65	65	200	271	242	185	145	4-M16	14
LXLC-80	80	225	360	252	200	160	8-M16	16
LXLC-100	100	250	380	262	220	180	8-M16	18
LXLC-125	125	250	420	275	250	210	8-M16	20
LXLC-150	150	300	420	325	285	240	8-M20	42
LXLC-200	200	350	660	352	340	295	8-M20	64
LXLC-250	250	450	660	470	395	350	12-M20	94
LXLC-300	300	500	660	492	445	400	12-M20	114
LXLC-400	400	600	730	630	565	515	16-M24	199
LXLC-500	500	800	838	740	570	620	20-M24	340

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

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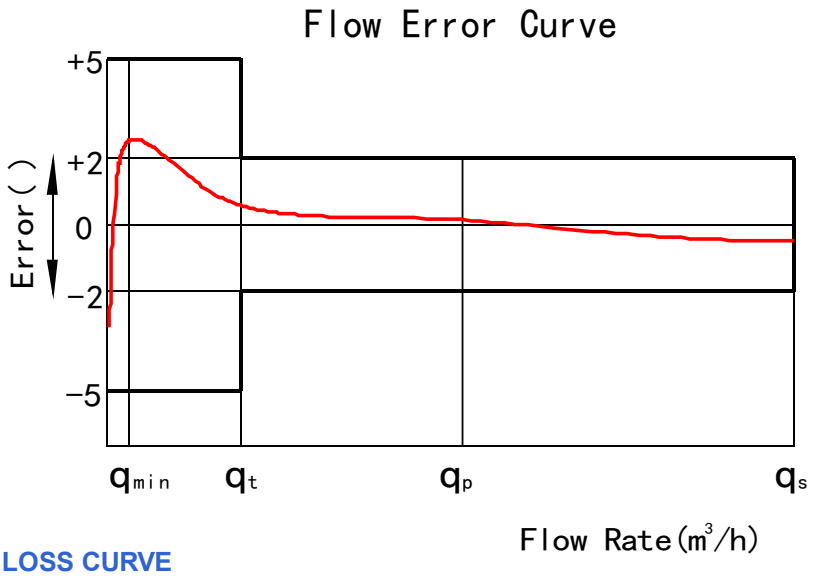
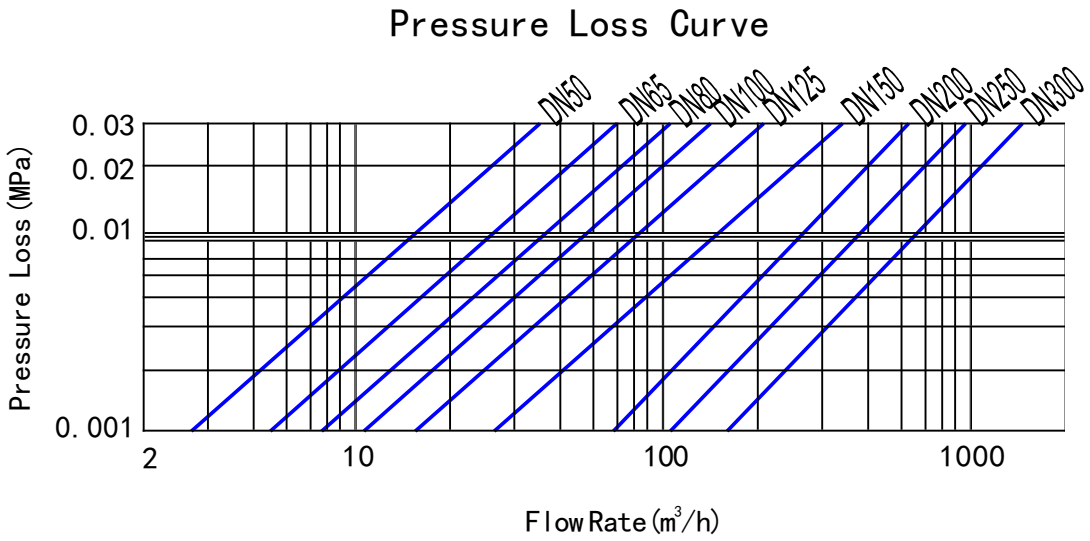
FLOW ERROR CURVE



PRESSURE LOSS CURVE



REMOVABLE ELEMENT WOLTMAN HOT WATER METER

MODEL: LXLC/R-50~500

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REMOVABLE ELEMENT WOLTMAN PULSE TRANSMITTING WATER METER

MODEL: LXLCY-50~500 PULSE TRANSMITTING COLD WATER METER

MODEL: LXLCY-50B~200B PULSE TRANSMITTING HOT WATER METER

APPLICATION AND FEATURES

◆ Data refers to LXLC-50-500 water meter

◆ Water meter equipped with a Reed Switch Pulser which can be connected to remote reading systems. The Reed Switch Pulser emits signal to collector,a single signal means a certain quantity of water.

◆ Different option of water quantity per pulse is alternative and data refers to the mentioned table formatbelow.

REED-SWITCH ELECTRIC DATA

◆ Switch voltage: 24VAC/ DC

◆ Switch current: 0.01A max

Size	Pulse output		
	100L/Pulse	1000L/Pulse	10000L/Pulse
50mm	√	√	√
65mm	√	√	√
80mm	√	√	√
100mm	√	√	√
125mm	√	√	
150mm		√	√
200mm		√	√
250mm			√
300mm			√
400mm			√
500mm			√

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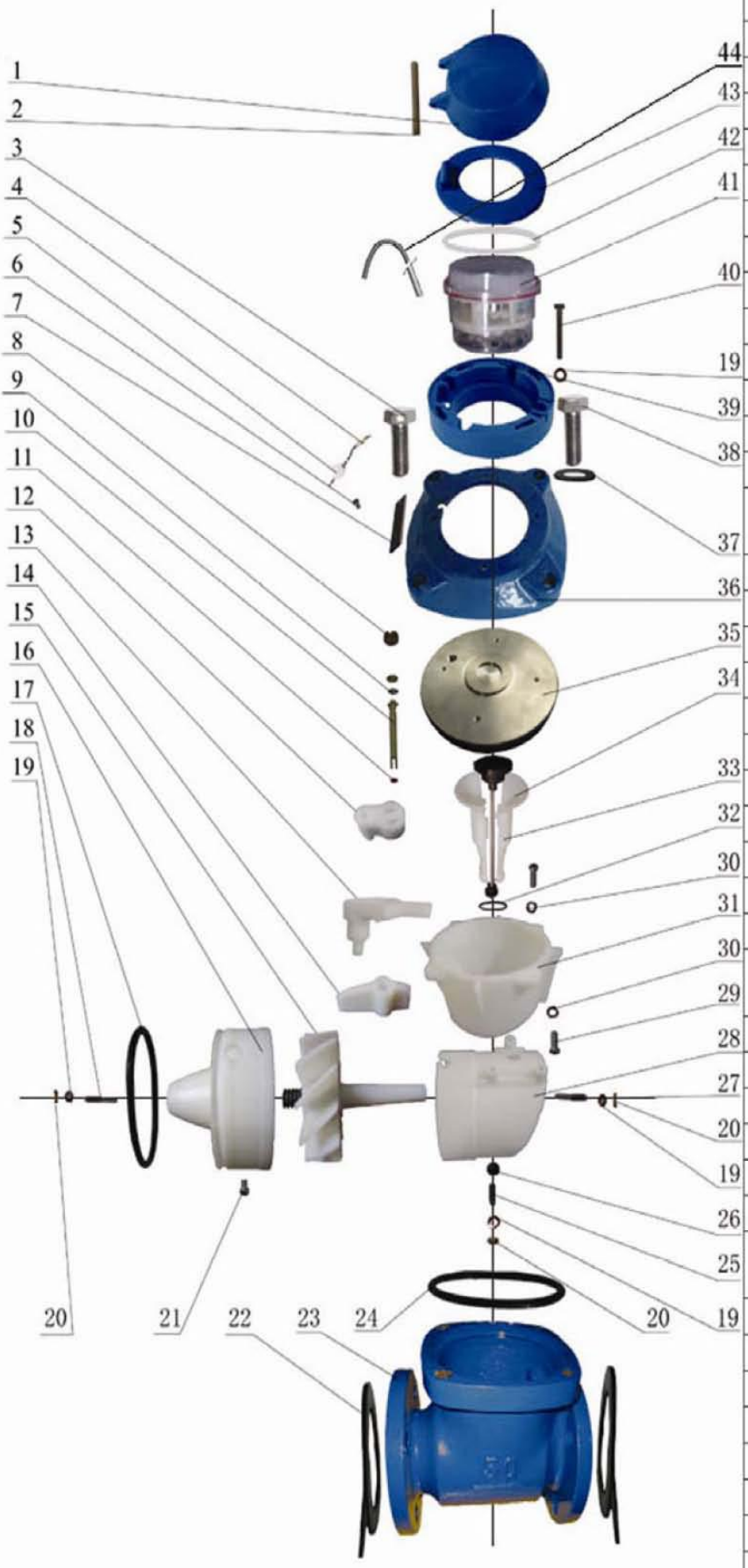

No.	Name	QTY	Material (hot water meter material)
1	Lid	1	ABS
2	Hinge pin	1	H62
3	Bolt M12X43	1	ICr18Ni9
4	Wire 1¢1	As request	T4
5	Seal lead	1	Pb
6	Hollow rivet	2 As request	ICr18Ni9
7	Scutcheon	1 As request	ICr18Ni9
8	Adjust bolt	1	H62
9	Washer	1	LDPE
10	Regulate spindle	1	H62
11	O-ring	1	Silicon rubber
12	Stir gear	1	Nylon 66 (CFPA66)
13	Adjust handle	1	Nylon 66
14	Adjust slice	1	Nylon 66
15	Vane wheel assembly	1	Vane wheel PPO, Worm CFPA66）
16	Direction rectifier	1	PPO
17	O-ring		Silicon rubber
18	Vane wheel spindle	1	ICr18Ni9
19	Washer 5	7	Qbe2
20	Nut M5	3	ICr18Ni9
21	Bolt M4X12	1	ICr18Ni9
22	Gasket	2	Rubber
23	Body	1	BT200
24	O-ring	1	Rubber
25	Drive bearing	1	
26	Drive bearing set	1	CFPA66
27	Vane wheel subassembly	1	
28	Lower support	1	PPO
29	Bolt M4X12	4	1Cr18Ni9
30	Washer 4	4	QBe2
31	Insert support	1	PPO
32	O-ring ¢19.8X2.6	1	Silicon rubber
33	Half bush	2	ABS
34	Transmission shaft subassembly	1	CFPA66
35	Seal plate	1	
36	Body cover 50-100	1	HT-200
37	Washer 12	4	1Cr18Ni9
38	Bolt M12X43	3	1Cr18Ni9
39	Cover	1	ABS(PC)
40	Bolt M5X35	4	1Cr18Ni9
41	Register	1	As sample （PPO, PC）
42	Securing ring	1	Polypropylene

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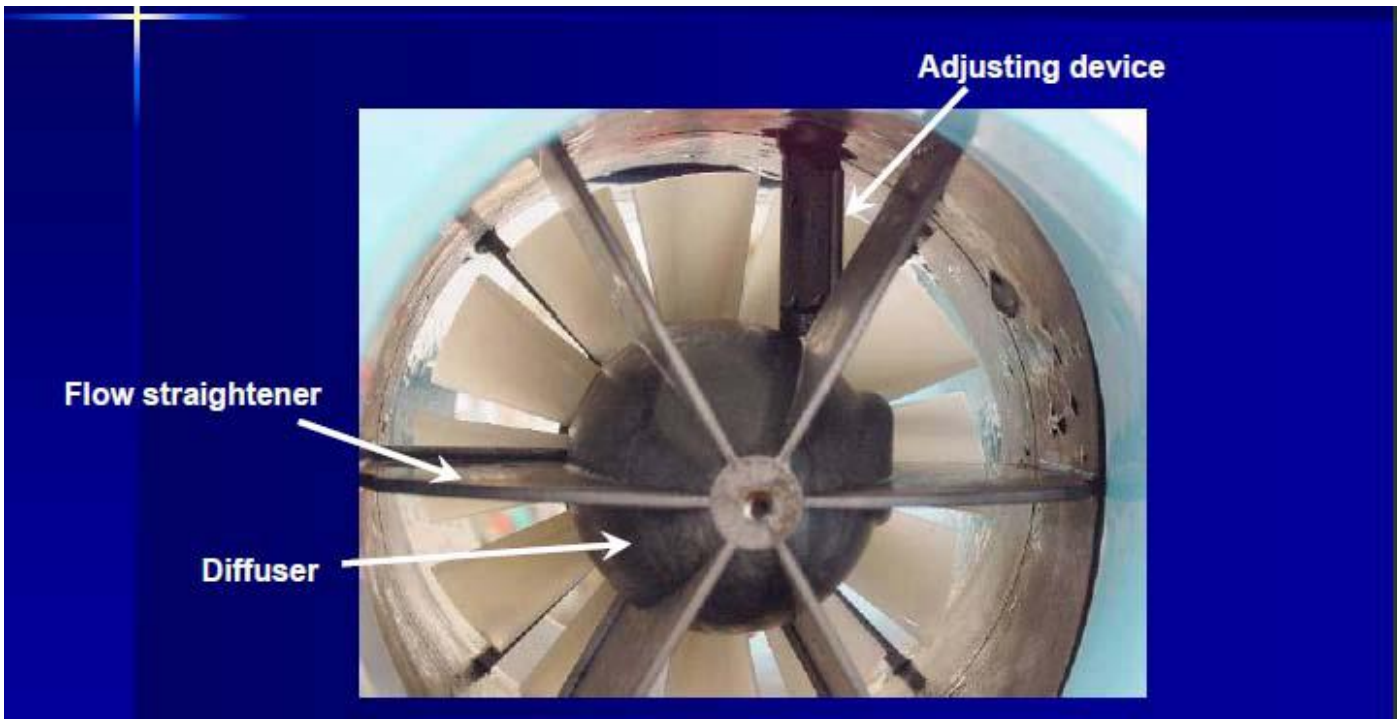

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