

Model: LXLC-50E2-500E2

Woltman Water Meter

Feature:

- Woltman type, Dry-dial
- Material body: Gray cast iron / Ductile cast iron
- Size: DN50 to DN500mm, (2"-20")
- Available for cold water (50°C), hot water (90°C)
- Accuracy: Class B standard



Main Technical Data:

According to IS04064(GB/T778.1-1996) Standard

Size		Class	Qs Overload Flow	Qp Nominal Flow	Qt Transitional Flow	Qmin Min Flow	Min Reading	Max Reading
DN(mm)	Inch		m³/h				m³	
50	2"	B	30	15	3	0.45	0.01	999999
65	2.5"	B	50	25	5	0.75	0.01	999999
80	3"	B	80	40	8	1.2	0.01	999999
100	4"	B	120	60	12	1.8	0.01	999999
125	5"	B	200	100	20	3	0.01	999999
150	6"	B	300	150	30	4.5	0.01	999999
200	8"	B	500	250	50	7.5	0.01	999999
250	10"	B	800	400	80	12	0.01	999999
300	12"	B	1200	600	120	18	0.01	999999
400	16"	B	2000	1000	200	30	0.01	999999
500	20"	B	3000	1500	300	45	0.01	999999

INDICATING ERROR

At low zone is $\pm 5\%$ from minimum flow rate (qmin) to transitional flow rate (qt) exclusive boundary

At high zone is $\pm 2\%$ from transitional flow rate (qt) to overload flow rate (qs)

WORKING CONDITION:

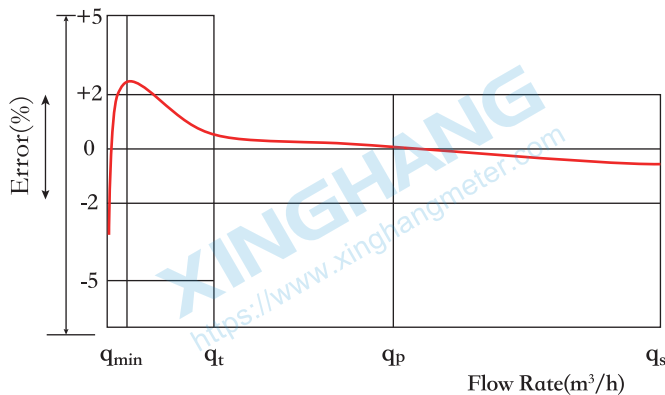
Water temperature: $\leq 50^\circ\text{C}$ for cold water meter

Water temperature: $\leq 90^\circ\text{C}$ for hot water meter

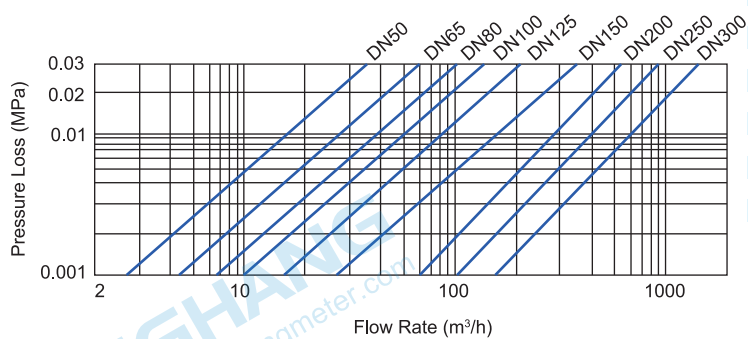
Working pressure: $\leq 1.6\text{Mpa}$

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Error Curve:



Pressure Loss Curve:



Dimensions and Weight:

Meter Size Dia DN	L Length	B Width	H Height	Connecting Thread			Weight
(mm)	(mm)			D	Bolt Circle Dia D1	Connecting Bolt	Kg
50	200	175	257	165	125	4xM16	12
65	200	185	267	185	145	4xM16	13
80	225	200	277	200	160	8xM16	15
100	250	220	287	220	180	8xM16	19
125	250	245	297	245	210	8xM16	22
150	250	285	375	285	240	8xM20	47
200	350	345	400	340	295	8xM20	48
250	450	395	484	395	350	8xM20	110
300	450	445	506	445	400	12xM20	115
400	500	565	621	565	515	16xM24	180
500	500	670	725	670	620	20xM24	330

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 M4x20	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 M12x35	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

