

LXLC(R)-50~300(mm)

Removable element woltman cold (hot) water meter

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

Application

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

Features

- 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.
- 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.

Optional Features

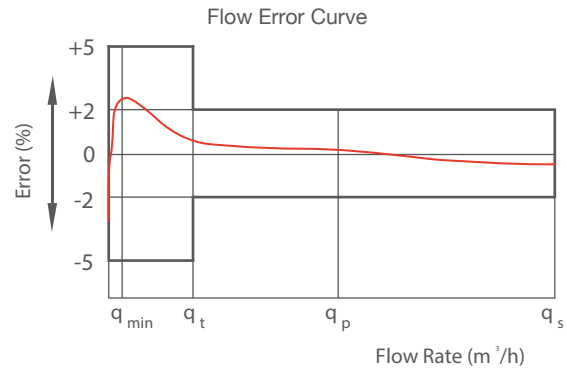
- Plastic register, copper register and full glass register.
- Accuracy: R=50/80.
- Size: DN50-500mm.
- Cold / Hot water.
- Reed switch option.
- Flange standard can be choose.
- 360 degree rotate can be choose.
- Cast iron, Ductile iron, SS304,SS316 body can be choose.
- Working pressure: PN16/25.
- Color can be change on body and cover.

Working Condition

- Water temperature: $0.1\text{ }^{\circ}\text{C} \sim 40\text{ }^{\circ}\text{C}$ ($0.1\text{ }^{\circ}\text{C} \sim 90\text{ }^{\circ}\text{C}$ for hot water meter).
- Water pressure: PN10/16/25.

Maximum Permissible Error

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



Common Plastic Register



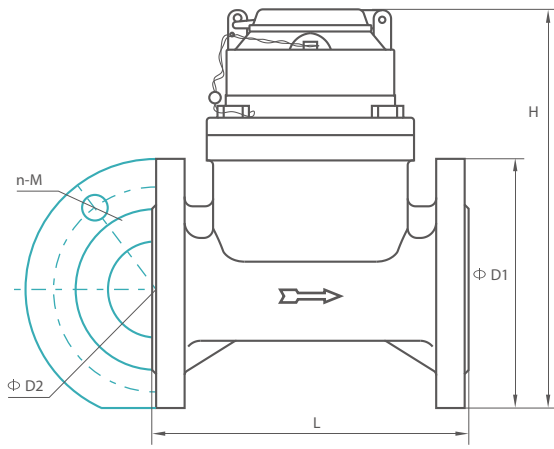
Copper Register



Full Glass Register



Dimensions



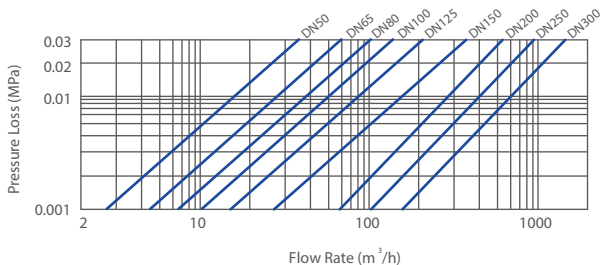
Type	Size	L Length	H Height	Connecting Flange		
				ΦD1 Outside Diameter	ΦD2 Bolt Circle Diameter	Connecting Bolts (n-M)
LXLC-50	50	200	214	165	125	4-M16
LXLC-65	65	200	224	185	145	4-M16
LXLC-80	80	225	279	200	160	8-M16
LXLC-100	100	250	289	220	180	8-M16
LXLC-125	125	250	299	250	210	8-M16
LXLC-150	150	300	319	285	240	8-M20
LXLC-200	200	350	346	340	295	8-M20(1.0DE) 12-M20(1.6MPa)
LXLC-250	250	450	434	395(1.0MPa)	350(1.0MPa)	12-M20(1.0MPa)
				405(1.6MPa)	355(1.6MPa)	12-M24(1.6MPa)
LXLC-300	300	500	459	445(1.0MPa)	400(1.0MPa)	12-M20(1.0MPa)
				460(1.6MPa)	410(1.6MPa)	12-M24(1.6MPa)

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

Pulse Position

Size	Pulse Position
DN50-65	10/100/1000L/Pulse
DN80-200	100/1000L/Pulse
DN250-300	1000L/Pulse

Pressure Loss Curve



Exploded View



Flow Technique Specification

Nominal Flow	Maximum Flow Q ₄	Permanent Flow Q ₃	Q ₃ /Q ₁	Q ₂ /Q ₁	Transitional Flow Q ₂	Minimum Flow Q ₁	Minimum Reading		Maximum Reading		
							Full Glass Seal	Common Seal	Full Glass Seal	Common Seal	
DN	m ³ /h				m ³ /h		m ³				
50	31.3	25	50	1.6	0.8	0.5	0.0005	0.0002	999,999	999,999	
				4	2						
	50	40	80	1.6	0.8	0.5					
				4	2						
65	50	40	50	1.6	1.3	0.8	0.0005	0.0002	999,999	999,999	
				4	3.2						
			80	4	1.6	0.8					0.5
					4	2					
80	78.8	63	50	1.6	2	1.3	0.002	0.002	999,999	9,999,999	
				4	5						
			80	1.6	1.3	0.8					
											4
100	125	100	50	1.6	3.2	2	0.002	0.002	999,999	9,999,999	
				4	8						
			80	1.6	2	1.3					
											4
125	200	160	50	1.6	4	3.2	0.002	0.002	999,999	9,999,999	
				4	12.8						
			80	1.6	3.2	2					
											4
150	312.5	250	50	1.6	8	5	0.002	0.002	999,999	9,999,999	
				4	20						
			80	1.6	5	3.1					
											4
200	500	400	50	1.6	12.8	8	0.002	0.002	999,999	9,999,999	
				4	32						
			80	1.6	8	5					
											4
250	787.5	630	25	1.6	40.3	25.2	0.02	0.02	9,999,999	99,999,999	
				4	100.8						
			50	1.6	20	12.6					
											4
300	1250	1000	25	1.6	64	40	0.02	0.02	9,999,999	99,999,999	
				4	160						
			50	1.6	32	20					
											4

