

LXXG(R)-50~300(mm)

Irrigation Horizontal vane wheel, dry-dial 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.

Features

- Removable element structure, easy installation and maintenance.
- Dry-dial, Magnetic drive.
- Large flow capacity, small pressure loss.
- Resist water hammer and pollution.
- Vacuum sealed register ensures the dial keep free from condensation and keep the reading clear in a long term service.
- Selected high quality materials for steady and reliable characteristic.
- Technical data conform to international standard ISO 4064.

Optional Features

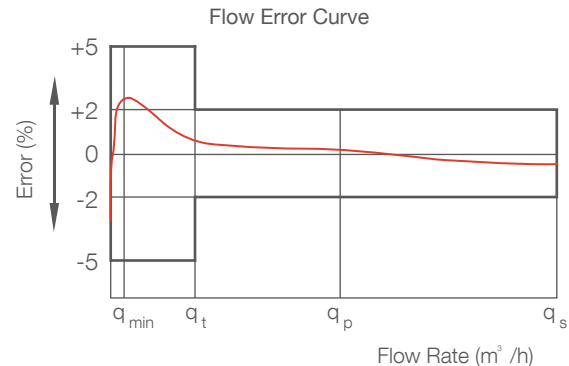
- Plastic register, copper register and full glass register.
- Accuracy: R=25.
- Size: DN50-300mm.
- Cold / Hot water.
- Reed switch option.
- Flange standard can be choose.
- 360 degree rotate can be choose.
- Cast iron, Ductile iron, SS304,SS316 body can be choose.
- Working pressure: PN16/25.

Working Condition

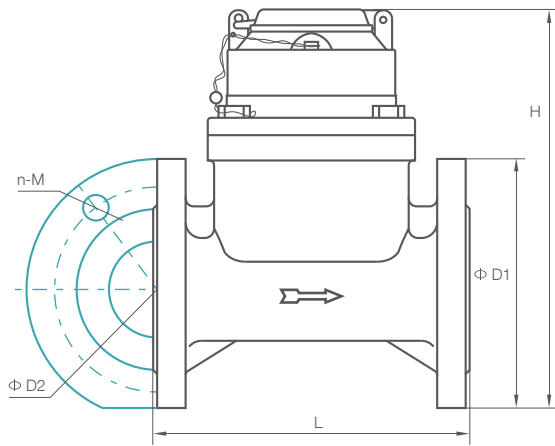
- Water temperature: 0.1 C ~ 50 C (0.1 C ~ 90 C for hot water meter).
- Water pressure: $\leq 1.0\text{Mpa}$ (1.6MPa on request).

Maximum Permissible Errors

- 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).



Dimensions



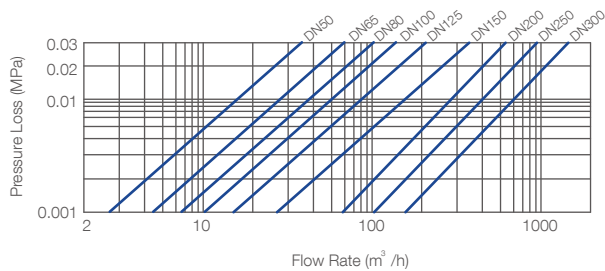
Type	Size	L Length	H Height	Connecting Flange		
				$\Phi D1$ Outside Diameter	$\Phi D2$ Bolt Circle Diameter	Connecting Bolts (n-M)
LXXG-50	50	200	253	165	125	4-M16
LXXG-65	65	200	268	185	145	4-M16
LXXG-80	80	225	284	200	160	8-M16
LXXG-100	100	250	295	220	180	8-M16
LXXG-125	125	250	310	250	210	8-M16
LXXG-150	150	300	339	285	240	8-M20
LXXG-200	200	350	382	340	295	8-M20(1.0MPa)
						12-M20(1.6MPa)
LXXG-250	250	450	438	395	350	12-M20(1.0MPa)
						12-M24(1.6MPa)
LXXG-300	300	500	488	445	400	12-M20(1.0MPa)
						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
DN50-200	100/1000L/Pulse
DN250-300	1000L/Pulse

Pressure Loss Curve



Exploded View



⊗ Flow Technique Specification

Nominal Flow	Maximum Flow Q ₁	Permanent Flow Q ₂	Q ₂ /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	31.25	25	50	1.6	1.6	1	0.0005	0.0002	999,999	999,999
				4	4					
65	50	40	25	1.6	2.6	1.6	0.002	0.002	999,999	9,999,999
				4	6.4					
80	78.8	63	25	1.6	4	2.5	0.002	0.002	999,999	9,999,999
				4	10					
100	125	100	25	1.6	6.4	4	0.002	0.002	999,999	9,999,999
				4	16					
125	200	160	25	1.6	10.2	6.4	0.002	0.002	999,999	9,999,999
				4	25.6					
150	312.5	250	25	1.6	16	10	0.002	0.002	999,999	9,999,999
				4	40					
200	500	400	25	1.6	25.6	16	0.002	0.002	999,999	9,999,999
				4	64					
250	787.5	630	25	1.6	40.3	25.2	0.02	0.02	9,999,999	99,999,999
				4	100.8					
300	1250	1000	25	1.6	64	40	0.02	0.02	9,999,999	99,999,999
				4	160					