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BT WOLTMAN TYPE WATER METERS

REMOVABLE MECHANISM WOLTMAN CLASS B COLD AND HOT WATER METER

This type of water meter can be used for a remote reading transmission system is equipped with a built-in sensor, Data can be collected remotely using GSM/GPRS data loggers.



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Application

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

Features

- Mechanism 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.

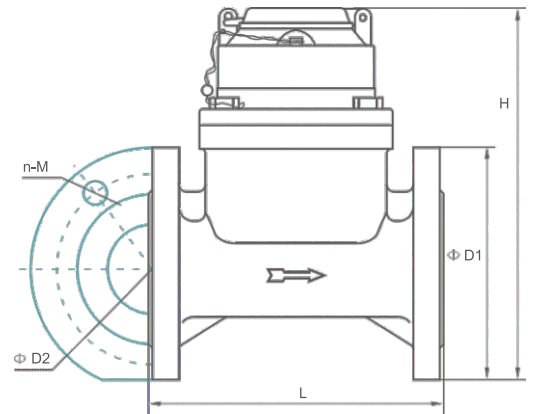
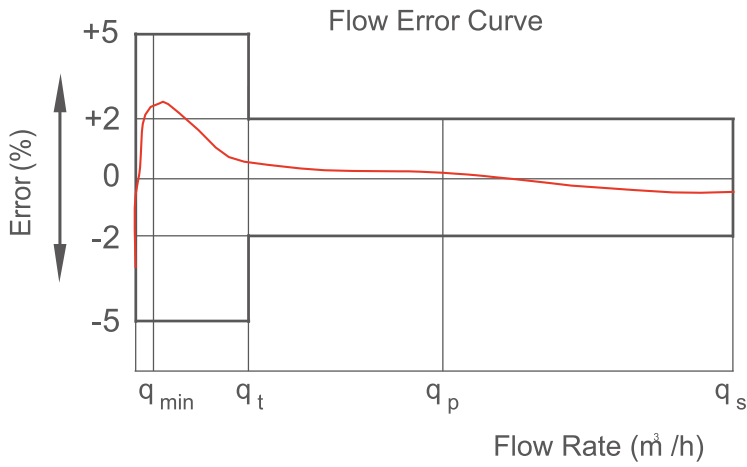
- Accuracy: Class B
- Size: DN50-300.
- Cold/Hot water.
- Reed switch option.
- Flange standard can be chosen.
- 360 Degree Rotatable Register
- Cast iron / Ductile iron / SS304 / SS316 body.
- Working pressure: PN16/25.

Working Condition

- Operating temperature: 50 Deg C for cold and 90 Deg C for Hot water meters.
- 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).



Dimensions

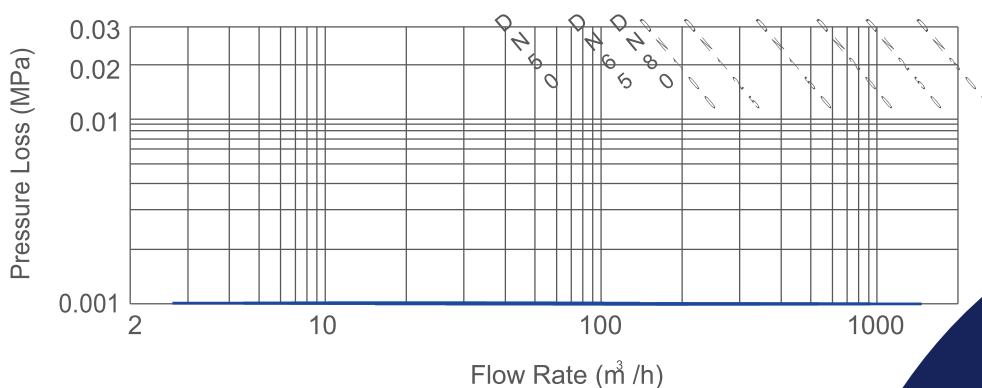
Type	Size	H Height	L Length	Connecting Flange		
				D1 Outside Diameter	D2 Bolt Circle Diameter	Connecting Bolts (n-M)
LXLC-50	50	200	214	165	125	4-M16
LXLC-65	65	200	224	185	145	4-M16
LXLC-80	80	225	279	200	160	8-M16
LXLC-100	100	250	289	220	180	8-M16
LXLC-125	125	250	299	250	210	8-M16
LXLC-150	150	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)

Pulse Position

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

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

Pressure Loss Curve



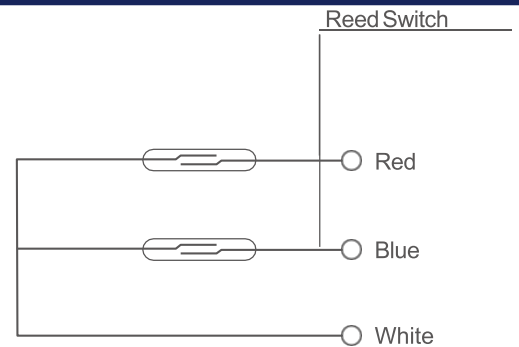
Exploded View



MAIN TECHNICAL DATA According to ISO4064 :2003

Meter Size	Measuring	Max Flow	Nominal Flow	Transitional Flow	Min Flow	Max Reading	Min Reading
mm	class	m ³ /h			m ³		
40	B	20	10	0.8	0.2	0.0002	999999
50	B	30	15	3	0.45	0.0002	999999
65	B	50	25	5	0.75	0.0002	999999
80	B	80	40	8	1.2	0.002	999999
100	B	120	60	12	1.8	0.002	999999
125	B	200	100	20	3	0.002	999999
150	B	300	150	30	4.5	0.002	999999
200	B	500	250	50	7.5	0.002	999999
250	B	800	400	80	12	0.002	999999
300	B	1200	600	120	18	0.02	99999999
350	B	1600	800	160	24	0.02	9999999999
400	B	2000	1000	200	30	0.02	9999999999
500	B	3000	1500	300	45	0.02	9999999999
600	B	6000	3000	600	90	0.02	9999999999

The Operation Description Of The Two Reed Switches System



Please see the diagram of the two reed switches system Above, the two reed switches would be operated "ON" OR "OFF" respectively by the magnet fitted to the pointer or gear during its running on the register, but never "ON" at the same time ,unless the out- magnet attacks.

The two reed switches operate two "ON" and two "OFF" in one round of the pointer or the gear means one signal output, this principle prevent the loss or overcounting of the signal output due to the switches joggling or the pipe vibrating, so assures reliability of the signal output.

Warranty

All meters will be guaranteed against defects in workmanship and materials for a period of one (1) year from the date of Delivery. Defective meters or parts discovered within this period shall be replaced without charge upon return to the BT Meters.