

WOLTMAN WATER METER (AD-WWM)

Application

Measuring the flow of cold water within the pipeline suitable for Buildings, Villas, Industries, etc.,

Features

- Its modular design enables effortless installation and maintenance, with a register that can be detached and used universally without disassembling the pipeline meter.
- Dry-dial with a magnetic drive provides smooth and sensitive operation with minimal pressure loss. The vacuum-sealed register prevents fogging, ensuring long-lasting clear readings.
- Constructed with high-quality materials to ensure stable and reliable performance.

Additional Features

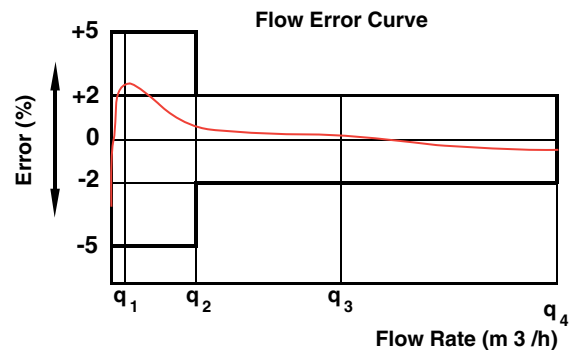
- IoT Data Collection (Optional - Cellular/ Wi-Fi/ LoRaWAN)
- Common register, Cast Iron Body, Flange type connection
- Accuracy: Class B
- Size: DN50-600mm.
- Cold water
- Reed Switch option
- Working pressure: 10bar/16bar.

Working Condition

- Water temperature: 0.1°C~50°C
- Water pressure: 16bar /25bar.

Maximum Permissible Error

- In the lower zone from q_1 inclusive up to but excluding q_2 is $\pm 5\%$.
- In the upper zone from q_2 inclusive up to and including q_4 is $\pm 2\%$

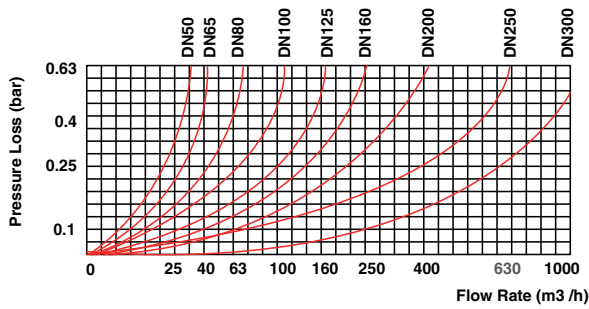


Pulse Position

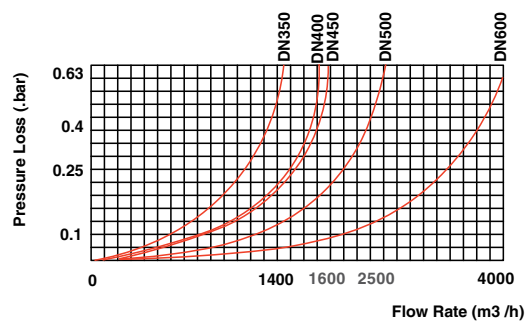
Size	Pulse Position
DN50-65	10/100/1000L/Pulse
DN80-200	100/1000L/Pulse
DN250-300	1000L/Pulse



Pressure Loss Curve

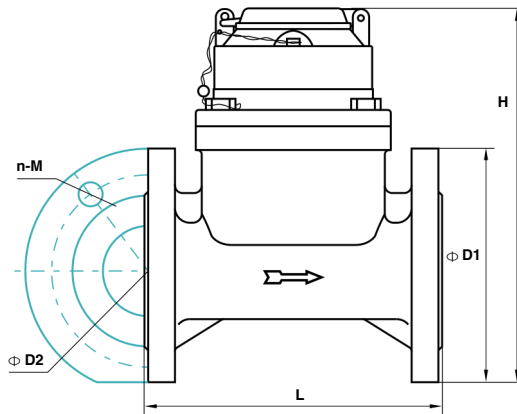


• DN50-300



• DN350-600

Dimensions



Nominal Diameter	L Length	H Height	Connecting Flange		
			ΦD1 Outside Diameter	ΦD2 Bolt Circle Diameter	Connecting Bolts (n-M)
50	200	214	165	125	4-M16
65	200	224	185	145	4-M16
80	225	279	200	160	8-M16
100	250	289	220	180	8-M16
125	250	299	250	210	8-M16
150	300	319	285	240	8-M20
200	350	346	340	295	8-M20 (10bar)
					12-M20 (16bar)
250	450	434	395(10bar)	350(10bar)	12-M20 (10bar)
			405(16bar)	355(16bar)	12-M24 (16bar)
300	500	480	445(10bar)	400(10bar)	12-M20 (10bar)
			460(16bar)	410(16bar)	12-M24 (16bar)

• DN50-300

Nominal Diameter	L Length	H Height	Connecting Flange			Working Pressure (bar)
			ΦD1 Outside Diameter	ΦD2 Bolt Circle Diameter	Connecting Bolts (n-M)	
350	500	590	505	460	16-M20	10
			520	470	16-M24	16
400	600	660	565	515	16-M24	10
			580	525	16-M27	16
450	600	700	615	565	20-M24	10
			640	585	20-M27	16
500	800	760	670	620	20-M24	10
			715	650	20-M30	16
600	800	880	780	725	20-M27	10
			840	770	20-M33	16

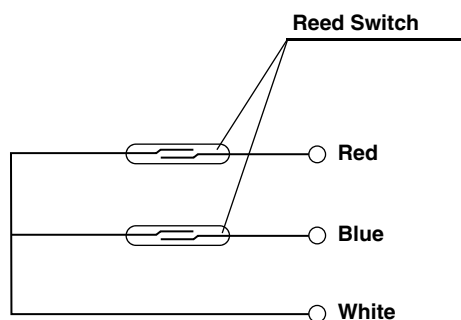
• DN350-600

NOTE: The flange dimension conforms to ISO7005-1 standard. But Certificate not applicable for this standard.

Flow Technique Specification

Nominal Flow	Overload Flow Rate (Q4)	Permanent Flow Rate (Q3)	Q3/Q1	Q2/Q1	Transitional Flow Rate (Q2)	Minimum Flow Rate (Q1)	Minimum Reading		Maximum Reading	
							Full Glass Seal	Common Seal	Full Glass Seal	Common Seal
DN	m3/h				m3/h		m3			
50	31.25	25	50	1.6	0.8	0.5	0.0005	0.0002	999,999	999,999
65	50	40	50	1.6	1.28	0.8	0.0005	0.0002	999,999	999,999
80	78.75	63	50	1.6	2	1.3	0.002	0.002	999,999	9,999,999
100	125	100	50	1.6	3.2	2	0.002	0.002	999,999	9,999,999
125	200	160	50	1.6	5.12	3.2	0.002	0.002	999,999	9,999,999
150	312.5	250	50	1.6	8	5	0.002	0.002	999,999	9,999,999
200	500	400	50	1.6	12.8	8	0.002	0.002	999,999	9,999,999
250	787.5	630	50	1.6	20.16	12.6	0.02	0.02	9,999,999	99,999,999
300	1250	1000	50	1.6	32	20	0.02	0.02	9,999,999	99,999,999
350	1000	800	50	1.6	25.6	16	0.2	0.2	9,999,999	99,999,999
400	1250	1000	50	1.6	32	20	0.2	0.2	999,999,999	999,999,999
450	1250	1000	50	1.6	32	20	0.2	0.2	999,999,999	999,999,999
500	1875	1500	50	1.6	48	30	0.2	0.2	999,999,999	999,999,999
600	3750	3000	50	1.6	160	100	0.2	0.2	999,999,999	999,999,999

The Operation Description Of The Two Reed Switches System



Please see the diagram of the two reed switches system below, 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.