

WOLTMAN WATER METER



1. Feature

- 1) Dry dial, magnetic drive transmission structure.



- 2) Large flow capacity, wide range, small pressure loss and stable performance curve.

- 3) Removable mechanism and strong universality, easy for installation and maintenance.



4) Stainless steel fasteners and epoxy resin powder are sprayed inside and outside the shell to maximize rust prevention and prolong the service life of the product.



5) The measuring mechanism has good universality, magnetic connection, small transmission resistance, sensitive and reliable operation.

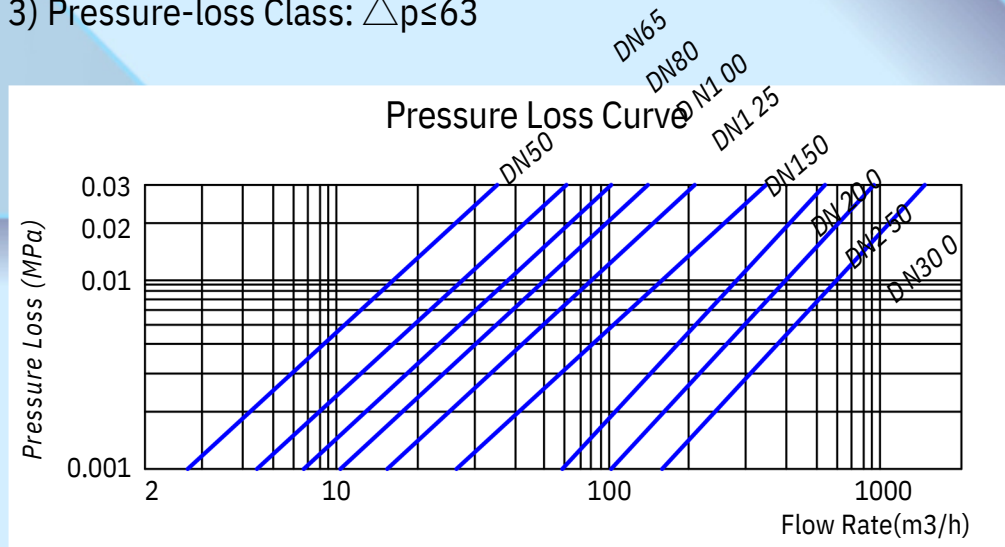
6) The counter is vacuum sealed, anti condensation and can keep the

7) Conform to the international standard ISO 4064.



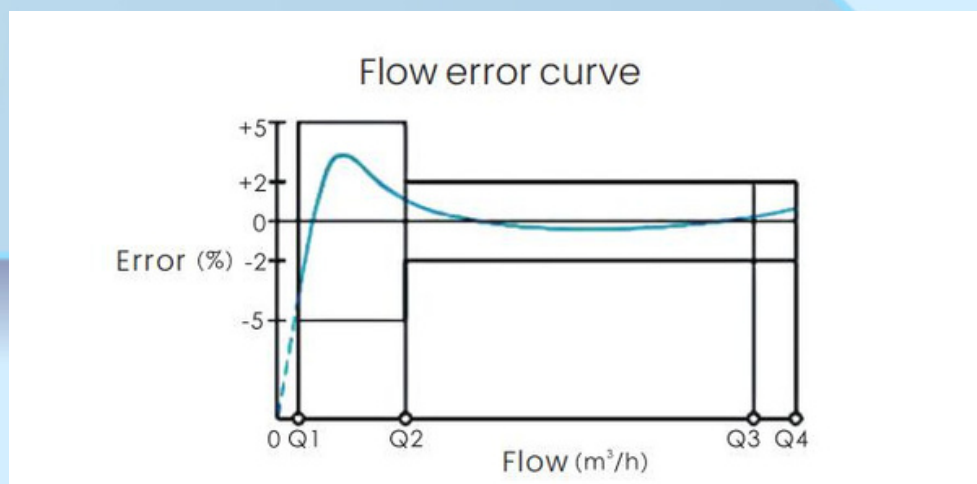
2. Working condition

- 1) Working temperature: T30/T50(cold water) ; T90(hot water)
- 2) Working pressure: MAP10/MAP16
- 3) Pressure-loss Class: $\Delta p \leq 63$



4) Maximum permissible errors:

- A. From minimum flow-rate(Q_1) inclusive to transitional flow-rate(Q_2) exclusive $\pm 5\%$.
- B. From transitional flow-rate(Q_2) to overload flow-rate(Q_4): $\pm 2\%$ (Hot water meter $\pm 3\%$)



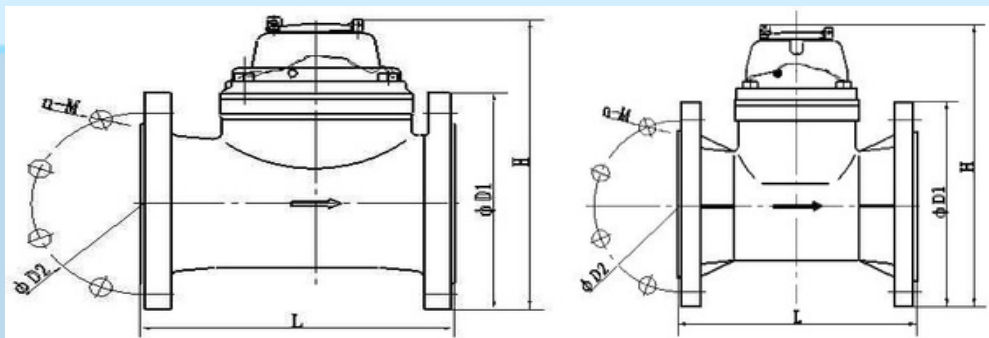
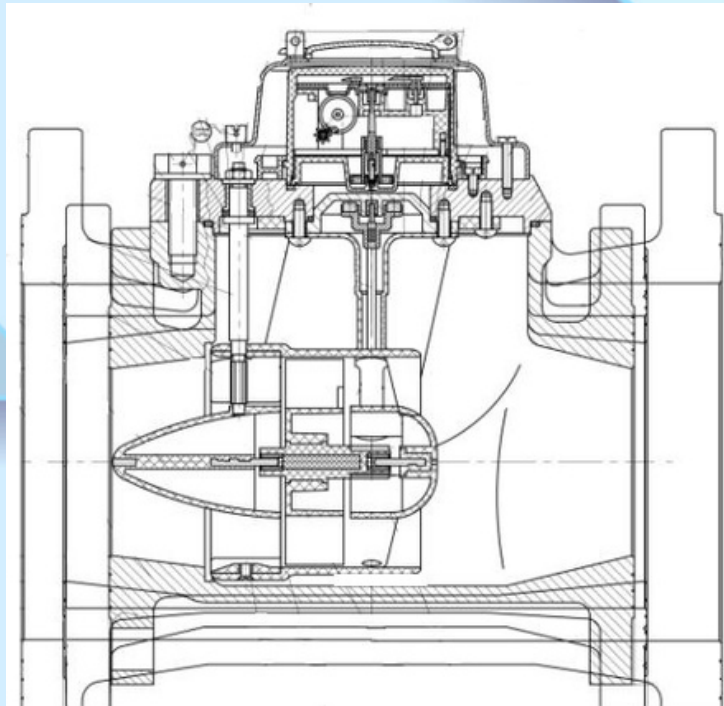
3. Main metrological parameters

DN (mm)	Flow range	Q4	Q3	Q2	Q1	Minimum reading	Maximum reading
	R(Q3/Q1)	m3/h				m3	
40	80	50	40	0.8	0.5	0.001	999,999
50	80	50	40	0.8	0.5	0.001	999,999
65	80	78.75	63	1.4	0.79	0.001	999,999
80	80	125	100	2.0	1.25	0.001	999,999
100	80	200	160	3.2	2.0	0.001	999,999
150	80	500	400	8.0	5.0	0.001	9,999,999
200	80	800	630	12.6	7.88	0.001	9,999,999
250	80	1260	1008	20.16	12.6	0.02	9,999,999
300	80	2000	1600	32	20	0.02	9,999,999
350	80	2800	2240	44.18	28	0.2	999,999,999
400	80	3200	2560	51.2	32	0.2	999,999,999
450	80	3200	2560	51.2	32	0.2	999,999,999
500	80	5000	4000	80	50	0.2	999,999,999
600	80	8000	6400	128	80	0.2	999,999,999

4. Specifications

DN (mm)	Length L(mm)	Height H(mm)	Flange outer diameter	Center diameter of bolt hole D1 (mm)	Number of connecting bolts	Reference weight (kg)
40	200	198	150	110	4-M16	8.3
50	200	205	165	125	4-M16	10
65	200	218	185	145	4-M16	12.5
80	225	280	200	160	8-M16	13.6
100	250	290	220	180	8-M16	18.3
150	300	320	285	240	8-M20	28
200	350	365	340	295	12-M20	44.8
250	450	434	450	400	12-M20	80
300	500	459	500	410	12-M24	98
350	500	590	505	460	16-M20	145
			520	470	16-M24	
400	600	660	565	515	16-M24	199
			580	525	16-M24	
450	600	700	615	565	20-M24	270
			640	585	20-M27	
500	800	760	670	620	20-M24	320
			715	650	20-M30	
600	800	880	780	725	20-M27	520
			840	770	20-M33	

5. Structures of the water meter





Code	Description	Material	Quantity
1	Screw M5×45 For Sealing	Stainless Steel	1
2	Screw M5×45	Stainless Steel	1
3	Cover With Lid	Assembly	1
4	Sealed Register	Assembly	1
5	Screw	Stainless Steel	4
6	Support	ABS	1
7	Bolt For Sealing M12×35	Stainless Steel	1
8	Bolt M12×35	Stainless Steel	3
9	Gasket	Stainless Steel	4
10	Adjusting Nut	Brass	1
11	Flange Plate	Cast Iron(or Nodular cast iron)	1
12	O-ring	Silicon Rubber	1
13	O-ring	Silicon Rubber	1
14	Bush For Adjustment	Brass	1
15	Upper Bearing Plate	Brass	1
16	PIVIT	Stainless Steel	4
17	Lower Central Gear	Component	1
18	Cover Plate	MPPO	1
19	O-ring For Adjustment	Rubber	2
20	Transmission Gear Component	Assembly	1
21	Adjusting Lever	Brass	1
22	Turbine	Component	1
23	Adjusting Plate	MPPO	1
24	Turbine shaft	Stainless Steel	2
25	Measuring Chamber	MPPO	1
26	Fixing Screw	Stainless Steel	3
27	O-ring	Rubber	1
28	Body	Cast Iron(or Nodular cast iron)	1

6. Installation

- 1) Horizontal installation.
- 2) The upstream and downstream of the water meter need to install straight pipe sections with the same diameter as the water meter and the length of 10D and 5D respectively (U10 / D5).
- 3) The installation of the water meter should avoid direct sun exposure and the erosion of harmful gases and liquids, and should be well protected against freezing.
- 4) The installation environment of the water meter should be tidy, easy to check meter readings and dismantle the water meter.
- 5) The water meter installation direction and the water flow direction in the pipe should be the same.

