

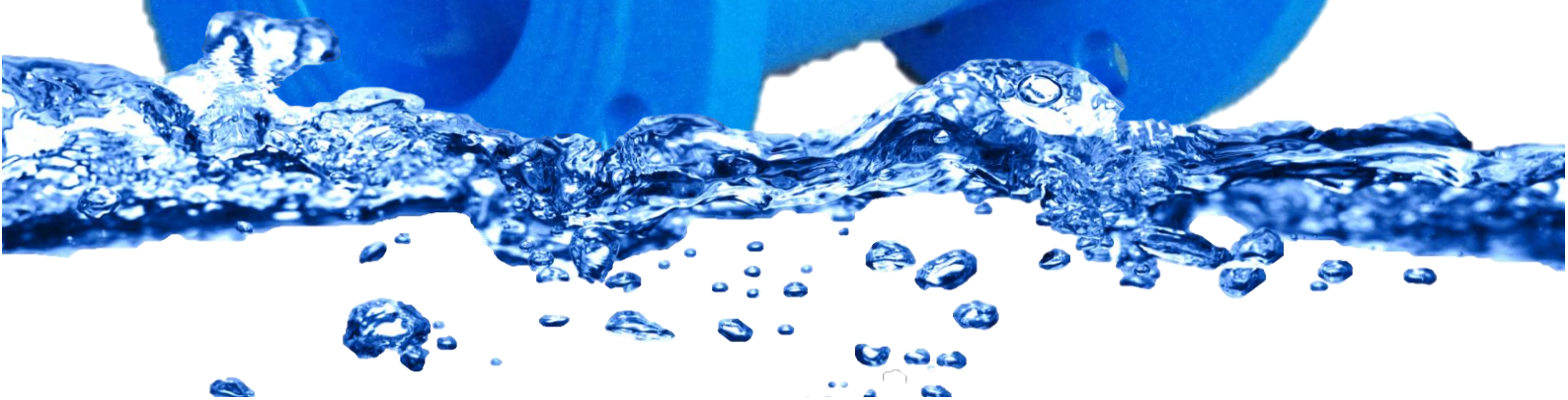
**ATZ<sup>®</sup>**

# Water Meter

Removable Horizontal Woltman Dry Type



*Partner for Flow Control*



# WATER METER

## Removable Horizontal Woltman Dry Type BS4504 / EN1092 Flanged Ends



### Characteristic:

- Dry type magnetic drive;
- Vacuum sealed counter, frost proven keeping clear reading for long term;
- Removable structure, easy installation & maintenance;
- Mechanics system fit for normal use;
- Big flow capable, low head loss;
- Remote transmission device added upon request;
- All technical data accord with ISO 04064-1: 2005;
- Flanges: BS4504 / EN 1092-2 PN10/16
- Bonnet and cover bolts are in A2-70 (AISI 304),
- Coating inside & outside for corrosion resistance.
- 100% testing before packing and delivery

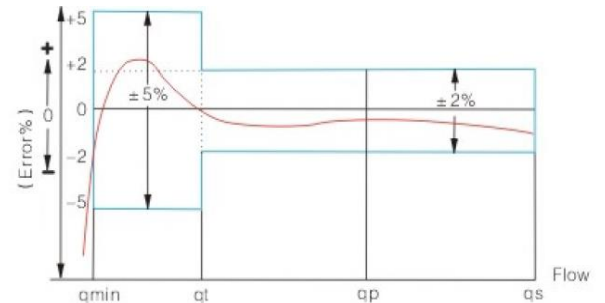
### Working Condition:

Water temperature  $0^{\circ}\text{C} \leq t \leq 30^{\circ}\text{C}$  (for cold water meter)

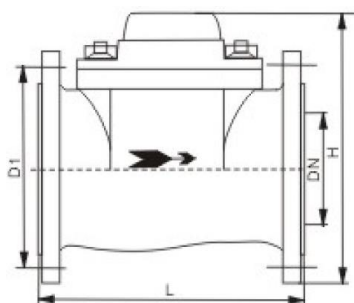
$0^{\circ}\text{C} \leq t \leq 90^{\circ}\text{C}$  (for hot water meter)

Water pressure  $\leq 1\text{MPa}$

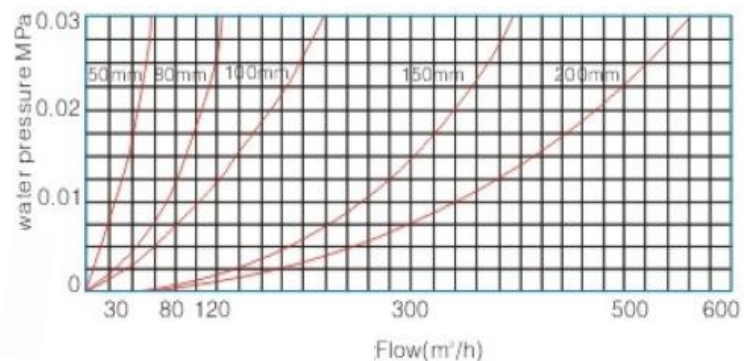
### Error Curve:



DN (mm)	Grade of accuracy rate	Ration Q3 / Q1	Q3 Permanent flow-rate qp(m³/h)	Q2 Transitional flow-rate qt(m³/h)	Q1 Minimum flow-rate qt(m³/h)	Q4 Overload flow-rate qs(m³/h)	Minimum reading Min(m³)	Maximum reading Min(m³)
50	grade 2	50	25	3.15	0.5	31.25	0.005	999 999
		100		1.0	0.25			
		250		0.25	0.10			
80	grade 2	50	63	7.938	1.26	78.75	0.005	999 999
		100		2.52	0.63			
		250		0.63	0.252			
100	grade 2	50	100	12.6	2.0	125	0.005	999 999
		100		4.0	1.0			
		250		1.0	0.4			
150	grade 2	50	250	31.5	5.0	312.5	0.05	999 999
		100		10	2.5			
		250		2.5	1.0			
200	grade 2	50	400	50.4	8.0	500	0.05	999 999
		100		16	4.0			
		250		4.0	1.6			



### Water Headloss Curve:



Size mm	L Length	B Width	H Height	D Connect bolt
DN50	200	250	125	4 x M16
DN80	225	265	160	8 x M16
DN100	250	275	180	8 x M16
DN150	300	320	240	8 x M20
DN200	350	360	295	8 x M20

### Maximum Permissible Error:

From the minimum flow rate Q1 (include Q1) to the lower zone of the transitional flow rate Q2 (excluding Q2):  $\pm 5\%$ .

From the transitional flow rate Q2 (including Q2) to the high zone of the maximum flow rate Q4 (including Q4):  $\pm 2\%$ .

Hot water meter:  $\pm 3\%$ .