

TURBO

Removable Element Woltman Water Meter

Turbo is woltman cooper can register suitable for cold water, pré-équipé pour application of pulse emitter reed switch type.

Features

- * Magnetic drive, lower transmission resistance.
- * Dry dial register endures clear reading.
- * The body is made of cast iron or ductile cast iron coated with epoxy treatment.
- * The measuring mechanism can be removable from the body for checking, maintaining and replacing, and the body don't need to be dismantled from the pipe.
- * Low pressure loss, long working life.
- * Inter-exchangeable parts.

Standards Compliance

- * ISO 4064 R80
- * ISO 4064 Class B

Optional Features

- * Reed switch option

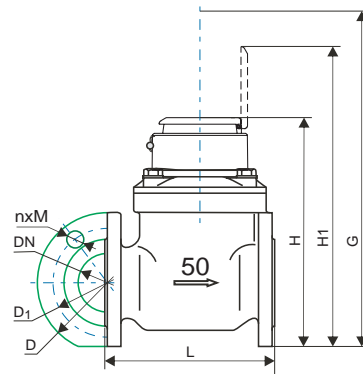
Working Conditions

- * Water temperature : $\leq 40^{\circ}\text{C}$, hot water : $\leq 90^{\circ}\text{C}$
- * Water pressure : $\leq 1.6\text{ MPa}$

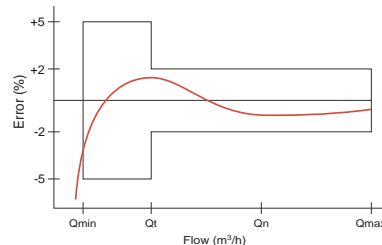
Installation Requirements

- * The meter can be installed in any position with the direction of the flow as indicated by the arrow cast in the meter body with the register face upwards.
- * The meter must have 10 diameters straight pipe ahead of the meter and 5 diameters straight pipe after to insure proper flow through the meter.
- * Pipeline must be flushed before installation.
- * The meter should be constantly full of water during operation

Dimension Picture



Accuracy Curve



Technical Characteristics

Dimensions and Weights for pressure rating PN16

Nominal diameter	DN	50	65	80	100	125	150	200	250	300	400	500	
Length	mm	L	200	200	225	250	250	300	350	450	500	600	800
Height	mm	H	232	242	252	262	275	325	355	470	497	638.5	764
Working height	mm	H1	303	313	323	333	346	396	426	541	568	678	782
Height	mm	G	360	360	360	360	360	420	420	660	660	750	840
Outsi de diameter	mm	D	165	185	200	220	250	285	340	405	460	580	715
Circle diameter	mm	D1	125	145	160	180	210	240	295	355	410	525	650
Connecting bolt quantity		nxM	4xM16		8xM16		8XM20	12xM20	12XM24		16XM27	20XM30	

Main Technical Data R80

Nominal diameter	DN	50	65	80	100	125	150	200	250	300	400	500	
Flow measuring rate	Q3/q1	80	80	80	80	80	80	80	80	80	80	80	
Maximum flow rate	m³/h	Q4	50	78.75	78.75	125	200	312.5	500	787.5	1250	2000	3125
Nominal flow rate	m³/h	Q3	40	63	63	100	160	250	400	630	1000	1600	2500
Transition flow rate	m³/h	Q2	0.8	1.26	1.26	2	3.2	5	8	12.6	20	32	50
Minimum rate	m³/h	Q1	0.5	0.7875	0.7875	1.25	2	3.125	5	7.785	12.5	20	31.25

Main Technical Data Class B

Nominal diameter	DN	50	65	80	100	125	150	200	250	300	400	500		
Maximum flow rate	m³/h	Qmax	30	50	80	120	200	300	500	800	1200	2000	3000	
Nominal flow rate	m³/h	Qn	15	25	40	60	100	150	250	400	600	1000	1500	
Transition flow rate	m³/h	Qt	3.0	5.0	8.0	12	20	30	50	80	120	200	300	
Minimum flow rate	m³/h	Qmin	0.45	0.75	1.2	1.8	3.0	4.5	7.5	12	18	30	45	
Maximum reading	m³		999999.999				9999999.99				99999999.9			
Minimum reading	m³		0.001				0.01				0.1			

Head Loss Curve

