

## Q-Meter Cold Water



### Features:

- Removable Mechanism
- Magnetic Drive
- Vacuum Sealed Register
- Leak Proof and Sealed Totaliser
- Repairable without interrupting water supply
- Totaliser protected by metallic cover
- Reliable sensitive metrology and low pressure loss

# Parts and materials:

## MAGNETIC DRIVE

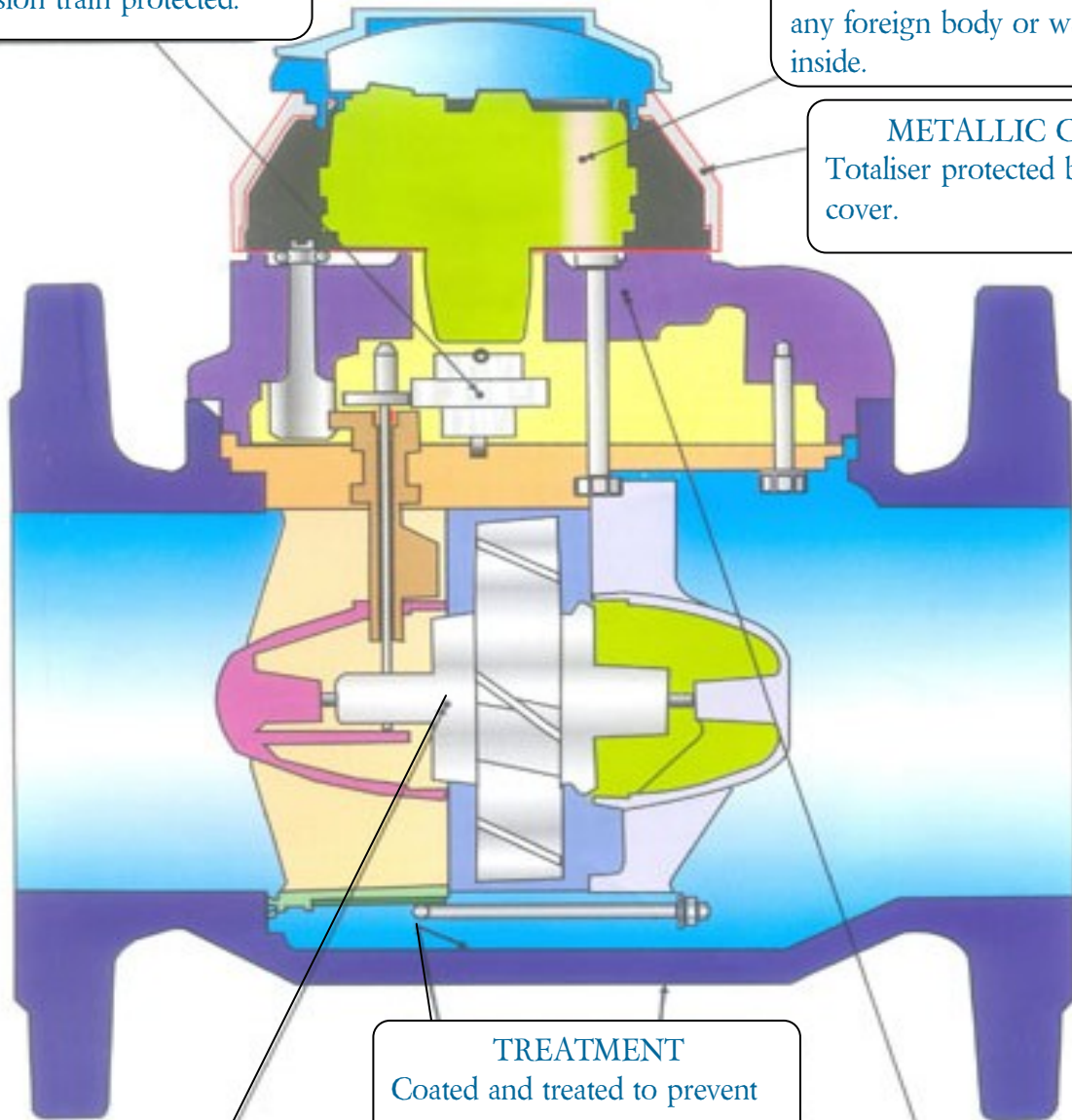
- Turbine Rotation is transferred through magnetic coupling.
- Transmission train protected.

## TOTALISER

- Totaliser is dry and sealed which ensures clear reading at all times.
- Sealed totaliser does not allow for any foreign body or water to enter inside.

## METALLIC COVER

Totaliser protected by metallic cover.



**TREATMENT**  
Coated and treated to prevent

## BALANCED TURBINE

Turbine of the meter is balanced which ensures long life and accurate measurements.

Turbine assembly guided by two axes protecting turbine from accidental excess

## MECHANISM

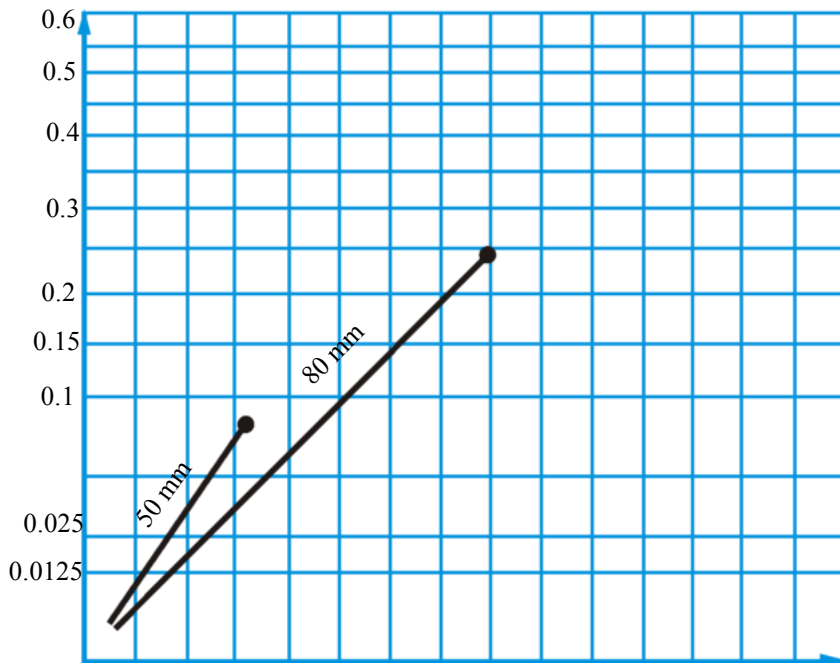
Removable, light weight and interchangeable mechanism requires no interruption to the water sup-

## Range:

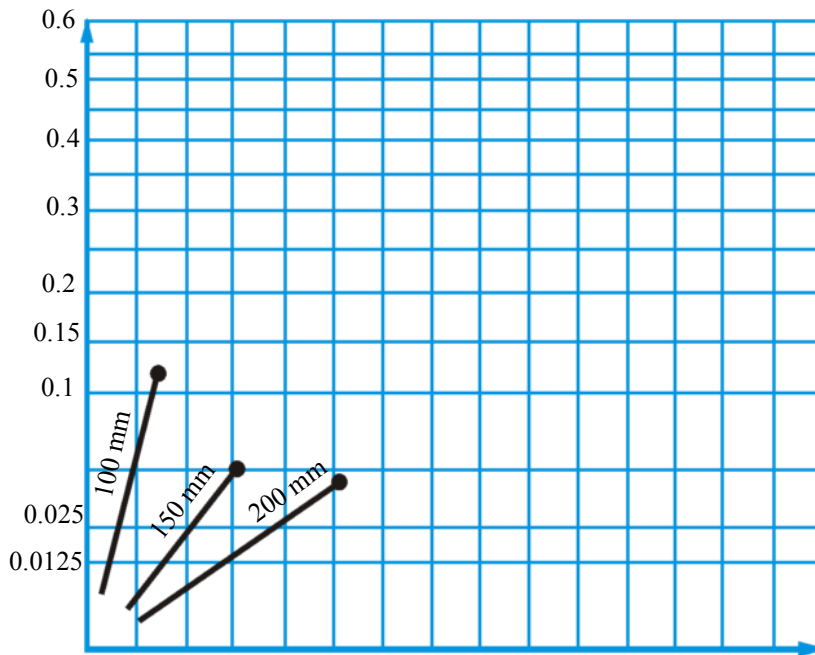


- Woltman turbine meters with dry-type registers, IP68
- Low pressure loss
- Error tolerances:  $\pm 2\%$  of flow rate in the upper measuring range,  $Q_t^2 < Q < Q_{max}$ , and  $\pm 5\%$  in the lower measuring range,  $Q_{min} < Q < Q_t$
- The meter can be installed in horizontal, vertical or inclined positions. The meter head must however face upwards or to the side.
- Nominal pressure: PN 16
- Maximum temperature:  $50^\circ\text{C}$

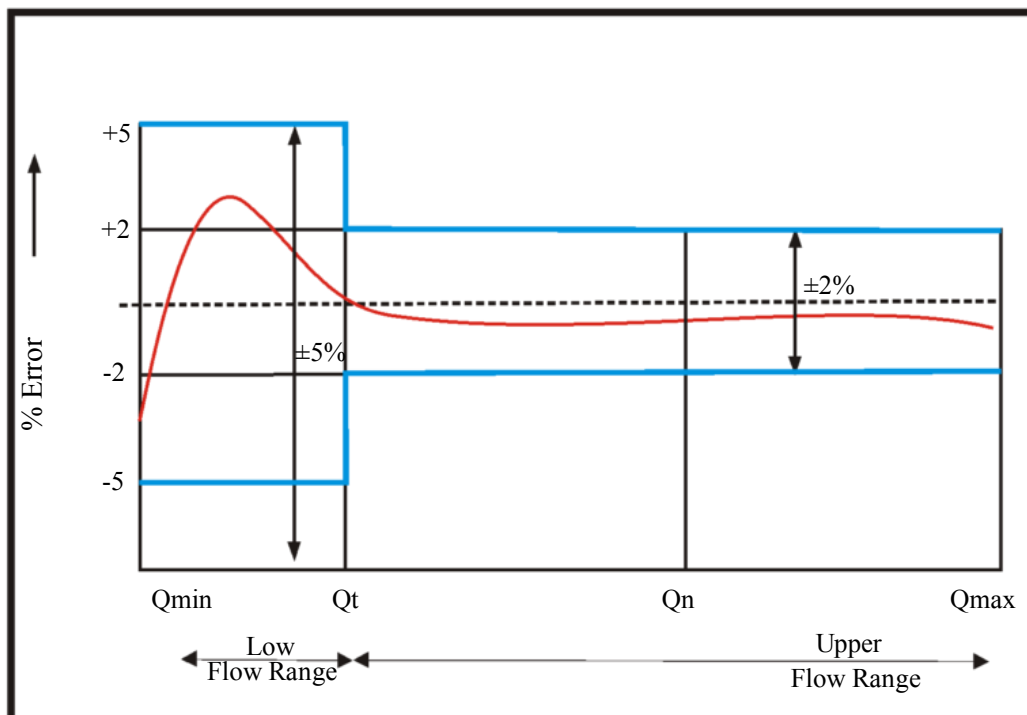
## Head loss curves:



## Head loss curves (Continued):



## Accuracy Curve:



Nominal Diameter	DN	mm inches	50mm 2	80mm 3	100mm 4	150mm 6	200mm 8	250mm 10	300mm 12	400mm 16	500mm 20
Minimum flowrate	Qmin	m <sup>3</sup> /h	0.45	1.20	1.80	4.50	7.50	12.00	18.00	30.00	45.00
Transitional flowrate	Qt	m <sup>3</sup> /h	3	8	12	30	50	80	120	200	300
Nominal flowrate	Qn	m <sup>3</sup> /h	15	40	60	150	250	400	600	1000	1500
Maximum flowrate	Qmax	m <sup>3</sup> /h	30	80	120	300	500	800	1200	2000	3000
Smallest readable volume		m <sup>3</sup>	0.002	0.002	0.002	0.02	0.02	0.002	0.002	0.1	0.1
Recording Capacity		m <sup>3</sup>	999999	999999	999999	9999999	9999999	99999999	99999999	99999999	99999999
Working Temperature		°C	50								
Working Pressure		Bar	16								
Overall Length	L		200	225	250	300	350	450	500	600	800
	H		260	280	290	320	364	470	492	631	740
	Bolt Circle (DI)mm		125	160	180	240	295	355	410	515	620
	Dia of Flange hole		16	19	19	23	23	28	28	24	24
	Number of Bolts		4	8	8	8	8	12	12	16	20
	Flange outer dia (D) mm		165	200	220	285	340	395	455	565	670
	Weight (kg)		10.6	15.4	18.6	31.6	46	94	114	199	340

