

2"-8" Flange Connection



Wf1000



Wf2000

Wf1000 & WF2000

It is a Combination Water Meter for industrial application in size from DN50 to DN200 for cold water.

Description

- The combination meter consists of the water meters and a flow valve. The main meter is a woltman water meter with recreate measuring element. The bypass meter is a multi jet dry/wet/semi-dry type meter.
- It is mainly used where both high flow rate and low flow rate should be measured.

Features

- Wide measuring range from Q_{min} of the bypass water meter to the Q_{max} of the main meter
- Low starting flow rate and high accuracy
- Low pressure loss
- The measuring mechanism of the main meter is removable from the body, convenient for checking, maintaining and replacing
- The body is made of ductile cast iron or gray cast iron coated with epoxy treatment

Optional Features

- Pulse output on option
- Ductile iron body or cast iron body on option

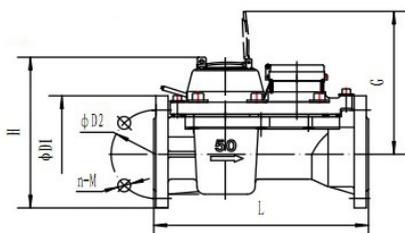
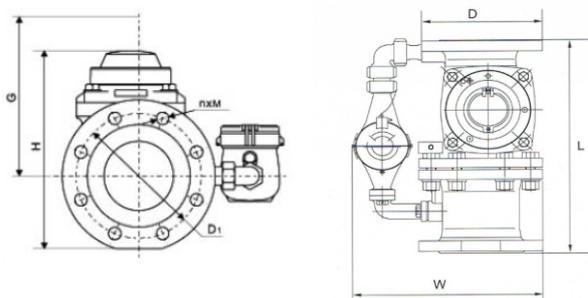
Working Conditions

- Water temperature $\leq 50^{\circ}\text{C}$
- Water pressure $\leq 1.6\text{Mpa}$

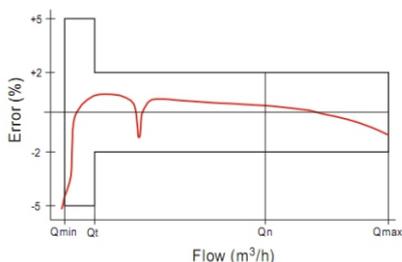
Installation Requirements

- The meter can be installed in any position
- The meter must be installed with the direction of the flow as indicated by the arrow cast in the meter body, with the register face upwards
- Pipeline must be flushed before installation

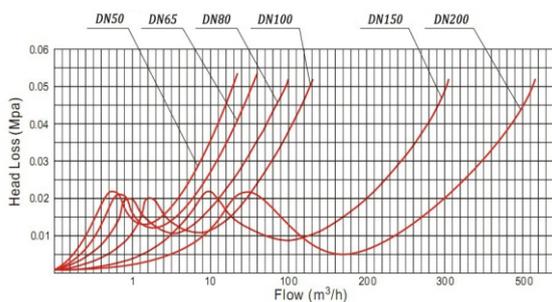
Dimensions Picture



Accuracy Curve



Head Loss Curve



Technical Characteristics

Dimensions and Weight(PN10)

Diameter	DN	50	80	100	150	200	
Bypass meter diameter mm	d	15	20	20	40	50	
Length	mm	L	200	370	370	500	560
Height	mm	H	252	276	286	345	375
Height	mm	G	165	400	400	500	500
Weight	mm	W	125	310	320	445	525
Outside diameter	mm	ϕ D ₁	200	200	220	285	340
Bolt circle diameter	mm	ϕ D ₂	160	160	180	240	295
Connecting bolt quantity	nxM	4-M16	8-M16		8-M20		
Meter weight	Kg	22	27	33	65	114	

- The weight only for reference.

Technical Data

Diameter	DN	50	80	100	150	200	
Maximum flow rate	m ³ /h	Q _{max}	30	80	120	300	500
Nominal flow rate	m ³ /h	Q _n	15	40	60	150	250
Transition flow rate	m ³ /h	Q _t	0.12	0.2	0.2	0.8	1.2
Minimum flow rate	m ³ /h	Q _{min}	0.03	0.05	0.05	0.2	0.30
Maximum reading	m ³	999999.9999			999999.9999		
Minimum reading	m ³	0.0001			0.001		

Maximum Permissible Error

- In the lower zone from Q₁ inclusive up to but excluding Q₂ is $\pm 5\%$
- In the upper zone from Q₂ inclusive up to and including Q₄ is $\pm 2\%$ ($\pm 3\%$ hot water)

Warranty

- Meter warranty 1 year from date of manufacture
- Technical support covers meter lifetime

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