

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

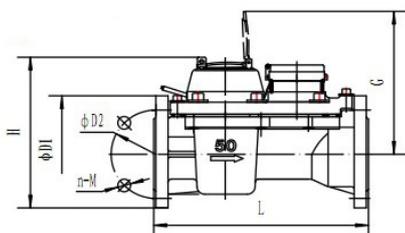
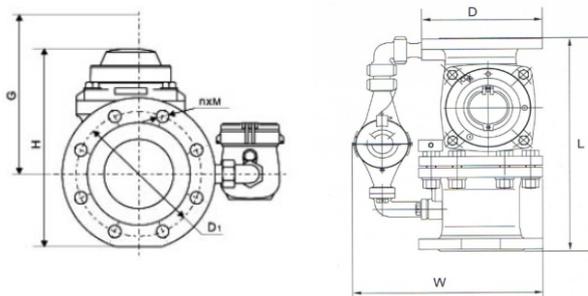
### Working Conditions

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

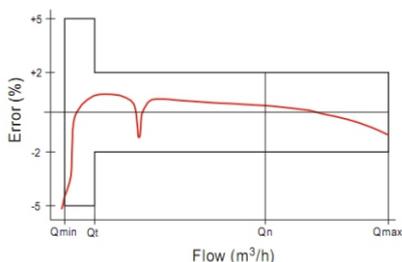
### Installation Requirements

- 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

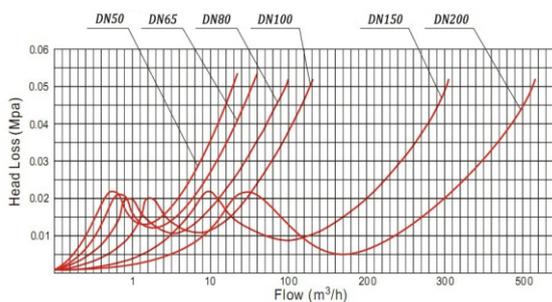
## Dimensions Picture



## 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 <sub>1</sub>	200	200	220	285	340
Bolt circle diameter	mm	φ D <sub>2</sub>	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 <sup>3</sup> /h	Q <sub>max</sub>	30	80	120	300	500
Nominal flow rate	m <sup>3</sup> /h	Q <sub>n</sub>	15	40	60	150	250
Transition flow rate	m <sup>3</sup> /h	Q <sub>t</sub>	0.12	0.2	0.2	0.8	1.2
Minimum flow rate	m <sup>3</sup> /h	Q <sub>min</sub>	0.03	0.05	0.05	0.2	0.30
Maximum reading	m <sup>3</sup>	999999.9999			999999.9999		
Minimum reading	m <sup>3</sup>	0.0001			0.001		

### Maximum Permissible Error

- In the lower zone from Q<sub>1</sub> inclusive up to but excluding Q<sub>2</sub> is ±5%
- In the upper zone from Q<sub>2</sub> inclusive up to and including Q<sub>4</sub> is ±2% (±3% hot water)

### Warranty

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

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