

WP QF

Turbine Water Meter for cold water up to 50 °C, DN 500



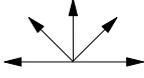
Main characteristics

- Sealed water-proof register (IP 67)
- Sealed register may be rotated through 360°
- Up to 3 pulsers can be fitted without breaking the meter seal
- Maximum corrosion protection by powder coating
- Not affected by external magnetic fields
- Interchangeable measuring insert
- Performance data better than class B

Applications

- Measurement of high, relatively constant flowrates in long distance pipes

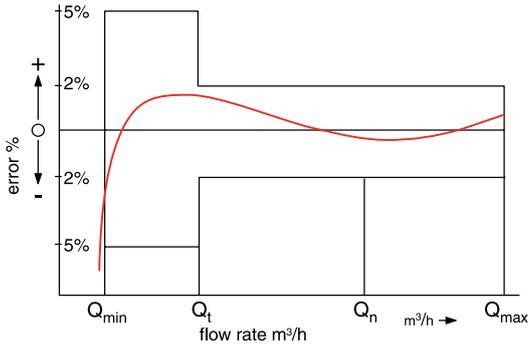
Installation

Pipe	horizontal vertical inclined	
Meter head	upwards sideways	

Installation Requirements

- Unrestricted straight pipe upstream of the meter 5 x DN
- No abrupt restrictions downstream of the meter

Typical Accuracy Curve



- Q_{max} = maximum peak flow
- Q_n = continuous flow
- Q_t = transitional flow $\pm 2\%$
- Q_{min} = minimum flow $\pm 5\%$

Head loss

DN 500

Headloss at $Q_{max} < 0,1$ bar

Performance Table

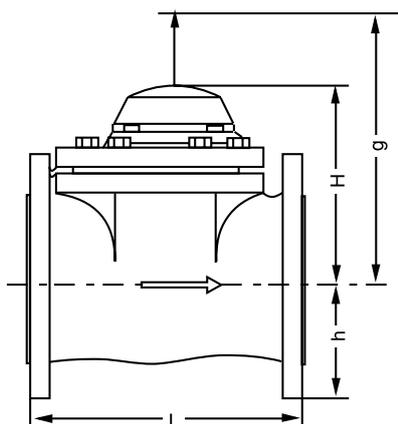
Nominal Diameter	DN	500
Size of meter (acc. to ISO 4064-1:1993)	Q_n	1500
Maximum peak flow (few minutes) $\pm 2\%$	Q_{max}	4500
Continuous flow $\pm 2\%$	Q_n	3000
Transitional flow $\pm 2\%$	Q_t	60
Minimum flow $\pm 5\%$	Q_{min}	45
Starting flow	m^3/h	20

Pulse Values

Pulser		DN 500 1 pulse Δ m^3
R 01		10 m^3 100 m^3
OP 01		0.10 m^3

Other pulse values on request

Dimension Picture



Dimensions

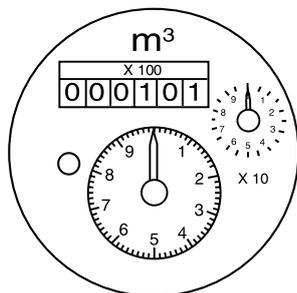
Nominal Diameter	DN	500	
Size of meter	Qn	1500	
Nominal pressure PN	bar	16	
Overall Length	L	mm	500
Height	H	mm	412
	h	mm	353
	g	mm	860

Other overall lengths on request

Weights

Nominal Diameter	DN	500
Size of meter	Qn	1500
Meter	kg	256
Measuring insert	kg	28
Body	kg	228

Dial



WP QF

Materials

Body	cast iron
Measuring insert	plastic
Rotor	plastic
We also use the following material	brass, stainless steel

Available Design

Nominal Diameter	DN	500
Overall length	mm	500
Order no.	WP QF	826677

Order Text

Quantity:

Specification: WP QF

Nominal Diameter: DN

Size of meter: Q_n

Working temperature: 50 °C

Working pressure: PN 16

Metrological class: A / B

Overall length L: mm

Flange drilling: acc. to EN 1092 PN 16

Certification: with / without

Order Example

Quantity: 2

Specification: WP QF

Nominal Diameter: DN 500

Size of meter: Q_n 1500 m³/h

Working temperature: 50 °C

Working pressure: PN 16

Metrological class: B

Overall length L: 500 mm

Flange drilling: acc. to EN 1092 PN 16