

Special Features

- Sealed register water proof (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 element
- Performance data better than class B

Application

Measurement of high, relatively constant flowrates in long distance pipes

Pattern Approval Sign

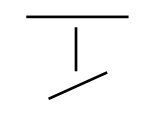
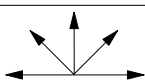
D80

6.132.01

Nominal Diameter DN 500

Marking:
Metrological class B
30 °C

Installation

Pipe	horizontal vertical inclined	
Meter head	upwards sideways	

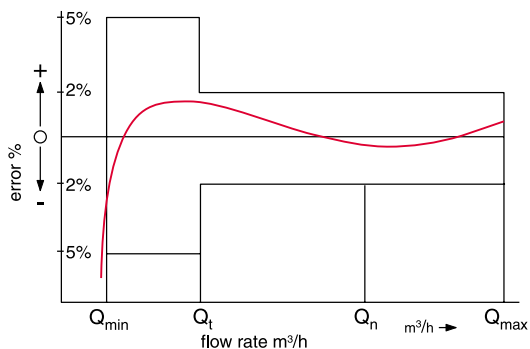
Installation Requirements

- Unrestricted straight pipe in front of the meter 3 x DN
- No abrupt restrictions directly behind the meter

Performance Table

Nominal Diameter	DN	500	600	700	800
Size of meter (acc. to EEC)	Q_n	1 500	---	---	---
Maximum peak flow (few minutes) $\pm 2\%$	Q_{max}	4 500	6 500	9 000	12 000
Continuous flow $\pm 2\%$	Q_n	3 000	3 300	4 500	6 000
Transitional flow $\pm 2\%$	Q_t	60	180	250	320
Minimum flow $\pm 5\%$	Q_{min}	45	100	130	210
Starting flow	m^3/h	20	40	50	60

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 ... DN 800

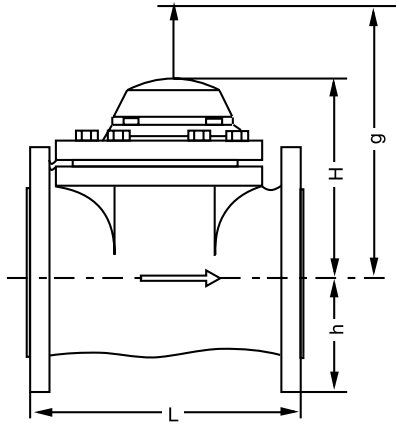
Headloss at $Q_{max} < 0,1$ bar

Pulse Values

Pulsar		DN 500 ... DN 800 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

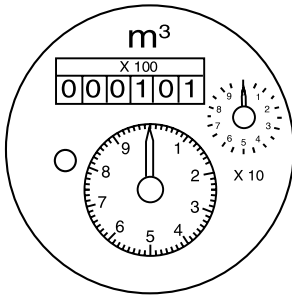
Nominal Diameter	DN	500	600	700	800
Size of meter	Q _n	1500	---	---	---
Overall length L	mm	500	500	600	600
Height	H	mm	412	470	520
	h	mm	353	420	455
	g	mm	860	920	970

Other overall lengths on request

Weights

Nominal Diameter	DN	500	600	700	800
Size of meter	Q _n	1500	---	---	---
Meter	kg	256	270	260	270
Measuring element	kg	28	28	28	28
Body	kg	228	242	232	242

Dial



WP QF

Materials

Nominal Diameter	DN 500 and DN 600	DN 700 and DN 800
Body	cast iron	welded steel
Measuring element	plastic	
Rotor	plastic	
We also use the following materials	brass, stainless steel	

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 DIN 2501, PN 16
Certification: with / without

Order Example

Quantity: 2
Specification: WP QF
Nominal Diameter: DN 500
Size of meter: Q_n 1000
Working temperature: 50 °C
Working pressure: PN 16
Metrological class: B
Overall length L: 500 mm
Flange drilling: acc. to DIN 2501, PN 16