

Globe Meter



Water meters

The **Bermad** Globe water meters with vertical turbine position according to the Woltman principle offer an ideal combination of accuracy, broad flow area, low pressure loss and very reliable recording.

The Globe/volute construction guarantees accurate measurement by levelling practically all flow turbulences.

The “dry-running” counter records the total water passage.

Control and monitoring devices are controlled by electric pulses being generated.

The Globe water meter can be installed without requiring any particular pipe lengths.

Product features:

- Less sensitive to flow turbulences.
- Can be installed in any position.
- Lower limit of measuring range is very low.
- Exchangeable counter with pulse contact.
- Meets the requirements of ISO 4064 class B, EEC.





Globe Watermeters Technical Data

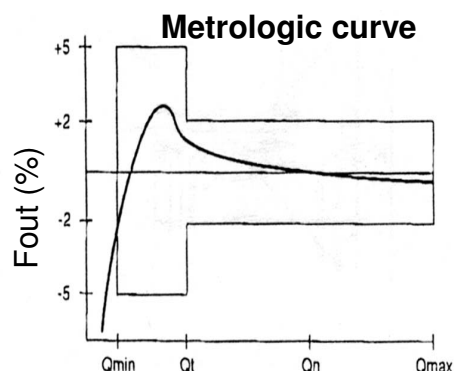
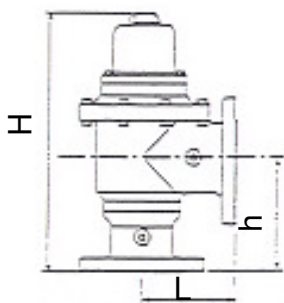
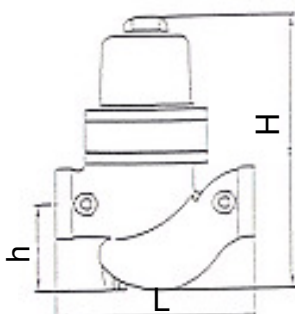
Specifications:

Model:	Globe, angle-patterned	
Connection:	1½", 2" BSP female thread. 3", 4". Flange ISO16	
Working pressure:	0,7- 10/16 bar	
Temperature:	Water up till 50 °C	
Materials:	Body and cover	-Cast iron (Polyester coated)
	Mechanism	-St.st. and plastic
	Seals	-Buna N and NR
	Internal components	-Plastic and st.st.

Capacities, dimensions and weights:

Designs	Unit	1½"	1½"MD	2"	2"MD	2"A	3"A	4"A
Connection ND	inch	1½"	1½"	2"	2"	2"	3"	4"
DN	mm	40	40	50	50	50	80	100
Nom. Capacity Q_{nom}	m³/h	15	15	25	25	25	65	110
Max. capacity $Q_{max (peak)}$	m³/h	25	30	35	35	35	130	180
Transitional capacity Q_t	m³/h	2.5	2.5	3.0	3.0	3.0	8	12
Min. capacity Q_{min}	m³/h	1.2	1.2	1.2	1.2	1.2	3.2	4.8
Flange ISO PN16 Bolt circle dia.	mm						160	180
Length L	mm	210	210	225	225	125	150	185
Height H	mm	293	293	300	300	320	427	460
Height h	mm	98	98	95	95	125	197	225
Width	mm	135	135	137	137	137	210	250
Weight	kg	5.5	5.5	7	7	9	18	35

Complies with ISO4064 class B, EEC



		1 pulse per		Opto pulse
Pulsator 1½", 2"	ltr	5, 10, 20	Lower gear 2 x 100	
	ltr	50, 100	Lower gear 2 x 1	
Pulsator 1½" up till 2" MD	ltr	10, 100, 1000		1 on 1
3" A	ltr	10	Lower gear 3 x 100	
	ltr	100	Lower gear 3 x 1	
4" A	ltr	10	Lower gear 4 x 100	
	ltr	100	Lower gear 4 x 1	

Read-contact:

Switching voltage: 48 VAC/DC max
Switching current: 0,2 A max
Switching power: 4 W max

Opto-electric sensor:

Supply voltage: 5-10 VDC
Output type: PNP
Signal: High \approx supplied voltage
Low < 0,5 VDC



UVAR

Subject to changes and/or misprints