

Globe water meter

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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.

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

The Globe water meter can be installed directly before or behind appendages and complies with ISO 4064 class A/B, EEC.

The Globe water meter is available with 2 different registers:

Electronic register Globe-E:

- Digital display
- Flow direction display
- Flow display
- Measures flow in two directions:
 - forwards min backwards
- Battery life at least 10 year
- 2 pulse outputs (3 wires)
- Fast pulse
- Leak detection

Options:

- WiFi
- Measures flow only forwards
- Measures flow forwards and backwards separately

Mechanical register Globe-M:

- Analogous counters
- Flow display
- Leak indicator
- 1 pulse (reed switch)

Options:

- Without pulse (reed switch)





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Technical data

Specifications:

- Working pressure: 0,7 - 10 bar; option: 16 bar
- Max. temperature: 50 °C
- Connection: thread / ISO flange
- Approvals: ISO 4064 class A/B, EEC, MID

Models:

- Sizes straight (globe): 1½" - 2 thread - 3" - 10 " ISO flange
- Sizes angled (A): 2" thread - 3" - 8" ISO flange

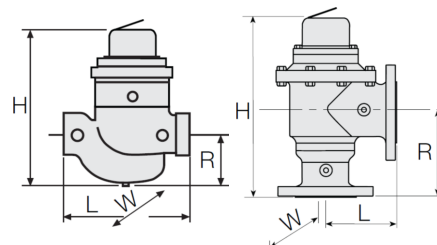
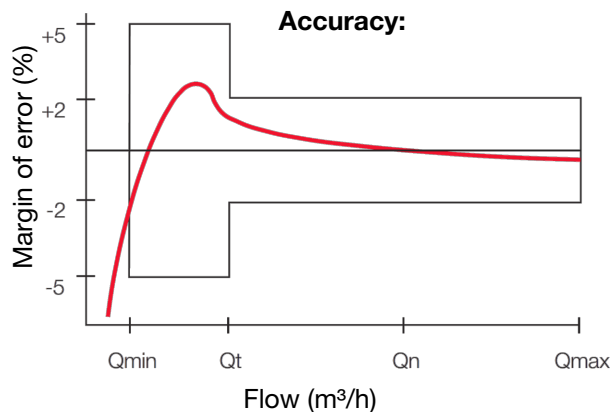
Materials:

- Body and cover: cast iron with polyester coating
- Register: plastic and glas
- Internal components: plastic and stainless steel
- Seals: NR and NBR

Models		1½"	2"	2"A	3"	3"A	4"	4"A	6"	6"A	8"	8"A	10"
DN	mm	40	50	50	80	80	100	100	150	150	200	200	250
Nom. capacity Q _{nom} Q _n	m³/h	15	15	15	40	40	60	60	150	150	250	250	400
Transitional capacity Q _t	m³/h	1,3	1,3	1,3	3	3	4,5	4,5	10	10	15,8	15,8	15,8
Min. capacity Q _{min}	m³/h	0,8	0,8	0,8	1,2	1,2	1,8	1,8	4	4	6,3	6,3	6,3
Max. capacity peak Q _{max}	m³/h	31	50	50	125	125	200	200	313	313	500	500	500
Flange ISO PN16 bolt circle dia.	mm	-	-	-	160	160	180	180	240	240	295	295	405
Length L	mm	250	250	120	300	150	350	180	500	250	600	250	600
Height H	mm	270	277	300	382	402	447	481	602	585	617	585	617
Height R	mm	95	95	125	123	196	137	225	216	306	228	280	228
Width W	mm	137	137	137	210	210	250	250	380	380	380	380	405
Weight	kg	7,2	7,3	8,1	23	25,8	31	36	71	77	93	82	140
Pulse 1/10 *		E	E	E	E	E	E	E					
Pulse 1/100 *		M/E	M/E	M/E	M/E	M/E	M/E	M/E	E	E	E	E	E
Pulse 1/1.000 (1/1m³) *		M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	M/E	E
Pulse 1/10.000 (1/10m³) *					E	E	E	E	M/E	M/E	M/E	M/E	M/E

* E = Electronic register

M = Magnetic register



Electronic register:

- Cable: 3 wires, 1.5m long
- Switch: double
- Switching voltage: 35VDC max.

Reed switch (magnetic register):

- Cable: 2 wires, 1.5m long
- Switch: single
- Switching voltage: 24V AC/DC max.
- Switching current: 0,01A max.