

REMOVABLE MECHANISM HORIZONTAL DRY TYPE

WATER METER

— M.I.D. CERTIFIED —



WOLTMAN METER WITH PULSE OUTPUT

TECHNICAL DATA:

NOMINAL SIZE DN (mm)	Class of measurement	Overload flow-rate $q_s(m^3/h)$	Permanent flow-rate $q_p(m^3/h)$	Transitional flow-rate $q_t(m^3/h)$	Minimum flow-rate $q_{min}(m^3/h)$	Minimum Reading $min(m^3)$	Maximum Reading $max(m^3)$
50	B	30	15	3.0	0.45	0.01	999999
65	B	50	25	5	0.75	0.01	999999
80	B	80	40	8	1.2	0.01	999999
100	B	120	60	12	1.8	0.01	999999
125	B	200	100	20	3	0.1	999999
150	B	300	150	30	4.5	0.1	999999
200	B	500	250	50	7.5	0.1	999999

OVERALL DIMENSIONS AND WEIGHT

Size (mm)	Length (mm) L	Width (mm) W	Height (mm) H	Output diameter of flange D(mm)	The center diameter of connecting bolt D1(mm)	Connecting bolt (Pcs.)	Weight (kg)
50	200	165	247	165	125	4xM16	12
65	200	185	260	185	145	8xM16	13
80	225	200	264.5	200	160	8xM16	15
100	250	220	271.5	220	180	8xM20	19
125	250	250	295	250	210	8xM20	23
150	300	285	301.5	285	240	8xM20	30
200	350	340	358.5	340	295	12xM20	42

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MULTI G is IMPELLER (turbine) water meter with magnetic transmission, dry type register for residential application with sizes from Dn15 to Dn25 designed by and meets to the requirements of Directive 2004/22/EC on measuring instruments; the European Standard EN14154+A1+A2: <Water Meter>; the International Organization of Legal Metrology OIML R-49: 2006(E): <Water meters intended for the metering of cold potable water and hot water.

► ACCURACY :

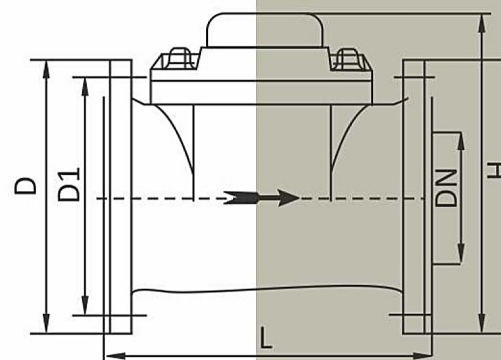
- From minimum flow-rate (q_{min}) inclusive, to transitional flow-rate (q_t), exclusive: $\pm 5\%$
- From transitional flow-rate (q_t) inclusive, to overload flow-rate (q_s), exclusive: $\pm 2\%$ (Hot water meter: $\pm 3\%$)

WORKING CONDITION:

- Water temperature $< 50^\circ\text{C}$ (Hot water meter $< 90^\circ\text{C}$)
- Water pressure $< 1\text{MPa}$ (PN: 1.6MPa/16bar)
- $\Delta P < 0.03\text{ MPa}$

► FEATURES:

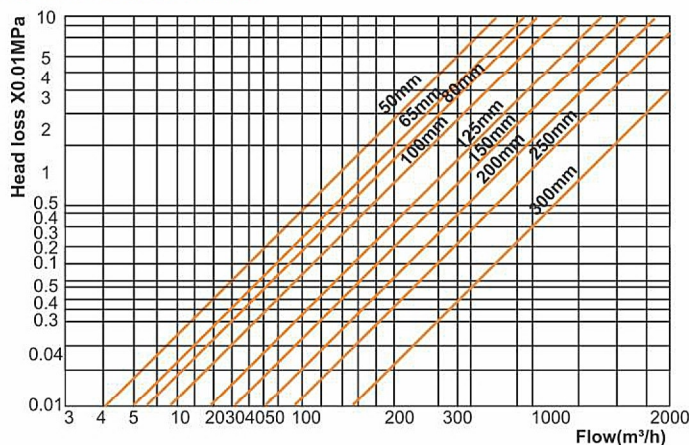
- Dry-dial, magnetic drive
- Vacuum sealed register, frost resistant, keeps clear reading for long time
- Removable measuring unit, easy installation and maintenance
- Measuring high flowrate with low head loss.
- Remote transmission device can be added upon request
- Many kinds of sensors, such as Reed Switch, hall and Weagand can be supplied upon request.
- Pulse output may be, 100L/Pulse, 1000L/Pulse
- The meters conform to ISO4064 Standard Class B



CHARACTERISTICS:

- All the materials in contact with water, consciously selected by the known resistance to corrosion;
- Cold water meter under current standard for lower than 30 C (T30) used safely in water temperature up to 50 C (T50) ;
- The ROTARY indicator register for the most comfortable reading position of 7 Rollers and 2 Pointers;
- The ROTARY plastic cap and lid for the most comfortable installation;
- The Impeller is the only moving parts in contact with water permitting the most reliable;
- The inlet filter at the inlet of the meter body permits cleaning it without breaking the metrological seal; Internal filter as option;
- The conception of the Magnetic Protection to against the external influences; Non return Valve to avoid the reserve flow Rate AS OPTION;

HEAD LOSS CURVE



ERROR CURVE

