

### TECHNICAL DATA

- Type: Multi jet water meter.
- Material: Grey cast iron body.
- Turbine and dial in thermoplastic material.
- Magnetic transmission protected against external magnetic fields.
- Pre-equipped with pulse emitter for remote reading. Quick connection without stopping or disassembling the water meter.
- High mechanical and wear resistance.
- Accuracy ratio R80 in horizontal and R40 in vertical position.
- U0/D0.
- Maximum working pressure: 16 bar.
- Maximum temperature: 0.1°C /+30°C
- Max.Error (%):  $Q1 \leq Q < Q2: \pm 5\%$   
 $Q2 \leq Q \leq Q3: \pm 2\%$

### MAIN MATERIAL

No.	Parts name	Material
1	Top cover	Plastic
2	Upper ring	Brass
3	Watch	Assembly
4	Lower chamber	Assembly
5	Propeller	Plastic
6	Distributor	Composite
7	Body	Grey cast iron

### INSTALLATION INSTRUCTIONS

- It is recommended to always place the water meter at a low point in the installation.
- Position the water meter so that the arrow corresponds to the direction of water flow.
- Do not force the water meter during installation, avoid tensile and torsional stresses.
- Water meters must always be filled with water. A minimum pressure of 0.3 bar is recommended at the outlet of the water meter to ensure that it is filled with water. Install at a lower level concerning the slope of the rest of the pipe, this will also eliminate the formation of bubbles inside the pipe.
- If air is present in the pipe, it is necessary to install air release valves to avoid erroneous readings. If the water in the pipe has coarse particles in suspension, it is recommended to install a roughing filter beforehand.
- Provide a shut-off valve upstream of the water meter to facilitate maintenance and/or repair.

Subject to change without prior notice.

### APPLICATION

Water distribution

### STANDARD

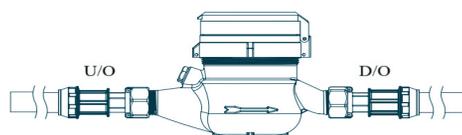
Threaded BSP male according to ISO 228-1.

### DIMENSIONS

DN (mm)	A (mm)	A (with fittings) (mm)	B (mm)	C (mm)	Weight (kg)	Threaded connection
15	165	260	94	125	1,17	G 3/4"
20	195	286	94	125	1,36	G 1"
25	260	375	100	135	2,18	G 1-1/4"
32	260	385	100	135	2,34	G 1-1/2"
40	300	430	125	170	4,66	G 2"
50	300	450	125	170	5,1	G 2-1/2"

### TECHNICAL SPECIFICATIONS

DN (mm)	Q4 (m3/h)	Q3 (m3/h)	Q2 (m3/h)	Q1 (m3/h)	Min. reading (m3)	Max. reading (m3)	Ratio
15	3,12	2,5	0,05 0,1	0,03 0,06	0,05	99,999	R80H R40V
20	5,00	4,00	0,08 0,16	0,05 0,1	0,05	99,999	R80H R40V
25	7,87	6,30	0,13 0,25	0,08 0,16	0,05	99,999	R80H R40V
32	12,50	10,00	0,2 0,4	0,13 0,25	0,05	99,999	R80H R40V
40	20,00	16,00	0,32 0,64	0,2 0,4	0,05	99,999	R80H R40V
50	31,25	25,00	0,50 1,00	0,31 0,63	0,05	99,999	R80H R40V



- Before installing a water meter in a new pipe, it is recommended to empty the pipe to remove particles.
- The inside diameter of the pipe should be equal to the nominal diameter of the water meter.
- It is not necessary to install straight sections before or after the water meter U0-D0.
- Suitable for installation in horizontal position R80H and vertical position R40V.