

Model BM

The BM hydrometers series is designed for remote control irrigation and for industrial applications. The hydrometer is especially suited for automated operation.



Compact



High corrosion
& UV resistance



Maximum
reliability

/ Benefits & Features

- **Compact** Compatible with all automation systems
- **High corrosion & UV resistance** Made of materials to withstand all fertilizers
- **Maximum reliability** Outstanding accuracy
- **Hydrometer use** In a variety of pressure and flow regulation applications
- **High-pressure operation** Thanks to double-chambered hydraulic valve
- **Hydraulic commands** Remote and automatic transmission

/ Specifications & Recommendations

- **Maximum Working Pressure** – 16bar
- **Body** – Polyester coated cast iron body
- Reinforced natural rubber valve diaphragm
- **Connection Flanges** – ISO, BS
- **Threaded** – Male BSP 1¹/₂" - 2", Female BSPT or NPT 2"

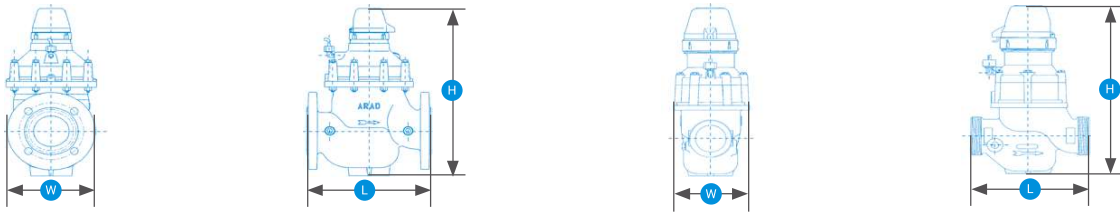
* Other connection types available upon request.

→ Installation Requirements

- The meter should be installed in horizontal or vertical position
- The meter must be always full of water while operating
- Prior to the installation of a new meter, the pipeline must be flushed out

→ Technical Dimensions

Nominal Size	(mm)	40	50	80	100	150	200
	(inch)	1½	2	3	4	6	8
L - Length (mm)		160	190	285	324	500	600
H - Height (mm)		266	331	433	456	581	782
h - (mm)		-	-	-	-	-	-
A - (mm)		-	-	-	-	-	-
W - Width (mm)		124	124	205	230	380	450
Weight (kg)		4.5	6.5	24.5	30.5	120	150
Weight with couplings (kg)		5.5	8	-	-	-	-



→ Performance Data

Nominal Size		Qmax Maximum Flow Rate (m³/h)	Qn Nominal Flow Rate (m³/h)	Qt Transitional Flow Rate (m³/h)	Qmin Minimum Flow Rate (m³/h)	Minimum Register Capacity (m³/h)	Minimum Register Capacity (liter)	Accuracy Between Qmax & Qt	Accuracy Between Qt & Qmin
(mm)	(inch)								
40	1½	30	20	1.3	0.4	10 ⁶	1	±2%	±5%
50	2	50	30	3	0.45	10 ⁶	1		
80	3	130	65	8	1.2	10 ⁶	1		
100	4	200	100	12	1.8	10 ⁷	10		
150	6	300	150	30	4.5	10 ⁷	10		
200	8	540	270	50	7.5	10 ⁷	10		

→ Head Loss

