



# ARAD LTD. DALIA - WATER MATERS DIVISION

## WATER METER MODEL WM/WMR

WM  
WMR



WM



WMR

**Design:** For main supply lines, agriculture and industry.  
The ample space around the core of the in-line helical axial turbine allows foreign matter to pass through the meter without clogging.

**Features:**

- Minimum loss of head
- High accuracy
- Hermetically sealed register with glass lens
- Optional electrical output: EV (volume) , EF (rate of flow) or DIALOG
- Not sensitive to dirt

**Sizes:** Model WM - 50mm (2"), 65mm (2 1/2"), 80mm (3"), 100mm (4"), 150mm (6"), 200mm (8")  
Model WMR - 50mm (2").

### TECHNICAL SPECIFICATIONS:

**Maximum Working Pressure:** Standard - 16 Bar. Upon request - 25 or 40 bar.

**Maximum Working Temperature:** 55°C  
Optional: WM-H up 90°C (technical data are same as those of WM)

**Body:** Polyester coated cast iron.

**Connection to the pipeline:** WM - flanges according to ISO, BS 10 (Table D) or AWWA.  
WMR - 2" BSP coupling.

### INSTALLATION REQUIREMENTS:

- The water meter may be installed in any position. For non-horizontal position the flow shall be upwards.
- The meter shall be full of water while operating.
- Prior to installation of a meter the pipeline shall be thoroughly flushed.
- Straight pipe section of the same diameter D as the meter, having lengths of 10D and 5D shall be installed upstream and downstream of the meter respectively.



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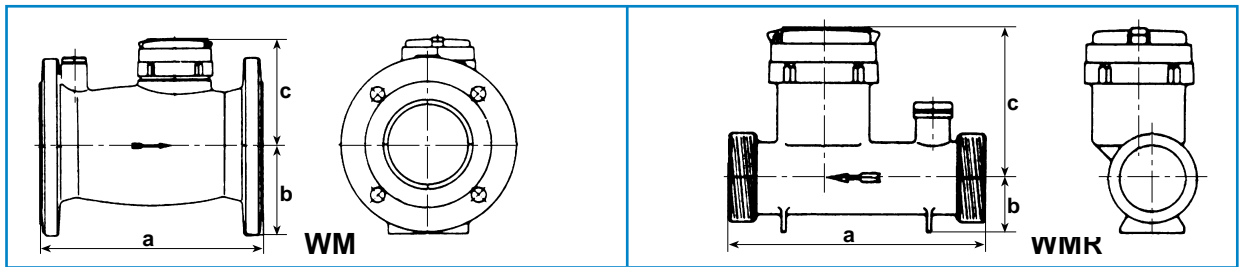
WATER MEASURING TECHNOLOGIES



## PERFORMANCE DATA

Model		mm Inch	WMR		WM				
			50	50	65	80	100	150	200
Nominal size			2	2	2 1/2	3	4	6	8
Qn - ISO 4064	Qn		15	15	25	40	60	150	250
Delivery at 1 m. head loss		m <sup>3</sup> /h	20	20	55	90	140	390	680
Permissible peak load for short periods	Qm <sub>ax</sub>	m <sup>3</sup> /h	40	40	100	130	235	520	875
Permanent flow rate	Qp	m <sup>3</sup> /h	20	20	40	55	100	215	365
Lowest flow rate measured within ± 2%	Qt	m <sup>3</sup> /h	2	2	2	2.2	2.5	7	8
Lowest flow rate measured within ± 5%	Qm <sub>in</sub>	m <sup>3</sup> /h	0.45	0.45	0.75	1.2	1.5	4.5	5
Starting flow		m <sup>3</sup> /h	0.15	0.15	0.3	0.3	0.5	1.5	1.5
Smallest readable unit		lit	1	1	1	1	10	10	100
Maximum register capacity		m <sup>3</sup>	10 <sup>6</sup>	10 <sup>6</sup>	10 <sup>6</sup>	10 <sup>6</sup>	10 <sup>7</sup>	10 <sup>7</sup>	10 <sup>8</sup>

## DIMENSIONS



Modelo			WMR		WM				
Nominal size		mm Inch	50	50	65	80	100	150	200
Dimensions	<b>a</b>	mm	200	200	220	230	280	300	350
	<b>b</b>	mm	40	85	95	105	115	150	175
	<b>c</b>	mm	135	135	150	155	155	200	220
Weight		kg	5	10	10	16	20	31	50

## WM HEAD LOSS CURVES

