



ARAD LTD. DALIA - WATER METERS 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.



ARAD LTD. DALIA

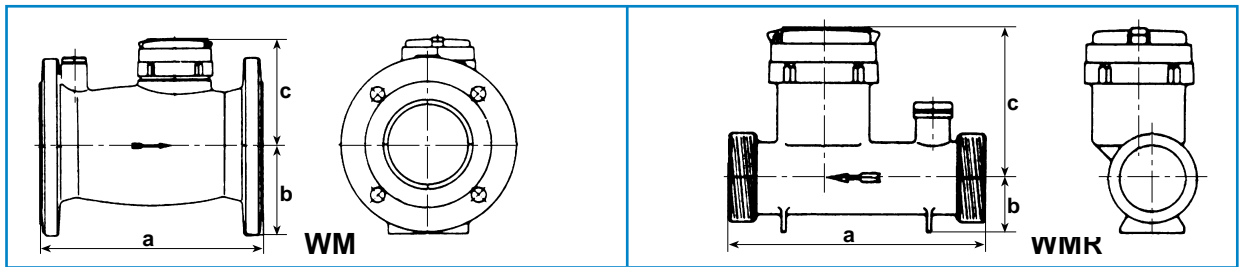
WATER MEASURING TECHNOLOGIES



P E R F O R M A N C E D A T A

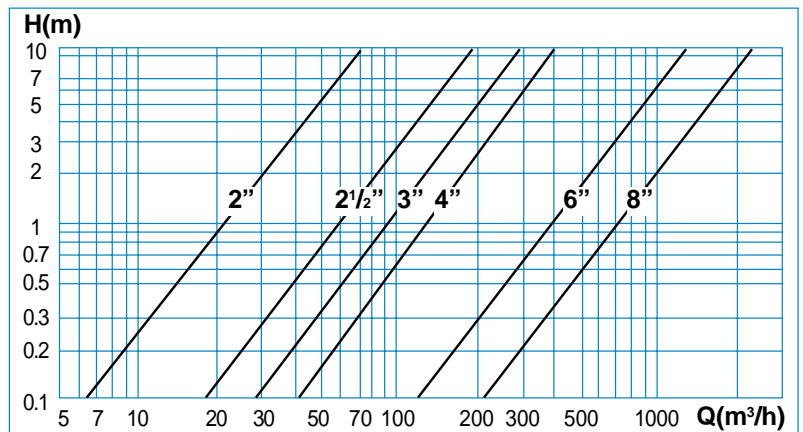
Model			WMR		WM				
Nominal size		mm Inch	50 2	50 2	65 2½	80 3	100 4	150 6	200 8
Qn - ISO 4064	Qn		15	15	25	40	60	150	250
Delivery at 1 m. head loss		m³/h	20	20	55	90	140	390	680
Permissible peak load for short periods	Qmáx	m³/h	40	40	100	130	235	520	875
Permanent flow rate	Qp	m³/h	20	20	40	55	100	215	365
Lowest flow rate measured within ± 2%	Qt	m³/h	2	2	2	2.2	2.5	7	8
Lowest flow rate measured within ± 5%	Qmín	m³/h	0.45	0.45	0.75	1.2	1.5	4.5	5
Starting flow		m³/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		m³	10 ⁶	10 ⁶	10 ⁶	10 ⁶	10 ⁷	10 ⁷	10 ⁸

D I M E N S I O N S



Modelo			WMR		WM				
Nominal size		mm Inch	50 2	50 2	65 2½	80 3	100 4	150 6	200 8
Dimensions	a	mm	200	200	220	230	280	300	350
	b	mm	40	85	95	105	115	150	175
	c	mm	135	135	150	155	155	200	220
Weight		kg	5	10	10	16	20	31	50

WM HEAD LOSS CURVES



TD-147 3.2000

