

ARAD™

Woltman Type

MECHANICAL REGISTER

Exceptionally accurate Woltman meters with top of the line performances. Suitable for a wide range of applications and flow measurements.



Standard model



WMR model



High corrosion
& UV resistance



Precise



Maximum
reliability

/ Benefits & Features

- **High corrosion & UV resistance** Components made of high strength, quality materials, technical plastics and epoxy coated steel body
- **Precise** Accurate flow reading
- **Maximum reliability** Sturdy and durable

/ Specifications & Recommendations

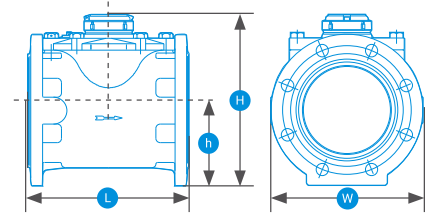
- Maximum Working Pressure – 16bar
- Maximum Working Temperature – 60°C
- Body – Cast iron, polyester coated
- Connection Flanges – According to ISO, BS 10, ANSI 150 or others

→ Installation Requirements

- The water meter may be installed in any position. For non-horizontal positions the flow shall be upwards
- The meter shall be full of water while operating
- Prior to the installation of a new meter, the pipeline must be flushed out
- Requirements for straight pipe section: D5/ D3

→ Technical Dimensions

Diameter	mm	50*	50	65	80	100	150	200	250	300
	inch	2	2	2½	3	4	6	8	10	12
l - Length (mm)		200	200	200	230	250	300	350	450	500
w - Width (mm)		98	165	185	200	220	283	340	406	489
h - Height (mm)		40	239	254	259	275	344	377	463	505
h - Height (mm)		2.3	70	84	90	106	130	158	258	330
Weight (kg)		3.7	12.5	15	15.5	19	35.5	41	80	95



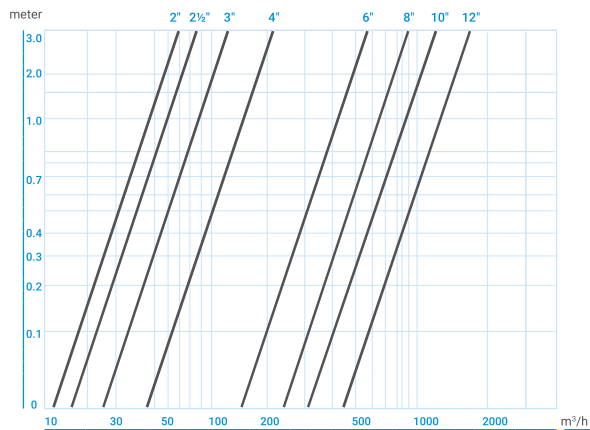
* Referring to WMR model. Length not including records, records add 75mm for each side.

→ Performance Data

Diameter		Q1 Minimum Flowrate	Q2 Transitional Flowrate	Q3 Nominal Flowrate	Q4 Maximum Flowrate	Starting Flow	Maximum Register Capacity	R Q3/ Q1	Accuracy Between Q4 & Q2	Accuracy Between Q2 & Q1
mm	inch	(m³/h)	(m³/h)	(m³/h)	(m³/h)	(m³/h)	(m³/h)			
50*	2	0.45	2	20	40	0.15	10 ⁶	44.4	±2%	±5%
50	2	0.63	1.01	63	78.75	0.15	10 ⁶	100		
65	2½	0.63	1.01	63	78.75	0.15	10 ⁶			
80	3	1	1.6	100	125	0.25	10 ⁶			
100	4	1.6	2.56	160	200	0.3	10 ⁷ /10 ⁶	50		
150	6	2.5	4	250	312.5	0.8	10 ⁷ /10 ⁶			
200	8	12.6	20.16	630	787.5	2	10 ⁸			
250	10	20	32	1000	1250	3	10 ⁸			
300	12	20	32	1000	1250	4	10 ⁸			

* Referring to WMR model

→ Head Loss



Q

→ Catalog Numbers

For woltman type water meter with mechanical register

Diameter	Connection Type	Pulse Resolution	Catalog Number
2"	BSP (WMR*)	None	70240-002400
		10L	70240-002500
		100L	70240-002550
	ISO	None	70240-021200
		10L	70240-021202
		100L	70240-021203
	BSTD	None	70240-021350
		10L	70240-021351
		100L	70240-021352
	ANSI	None	70240-021300
		10L	70240-021302
		100L	70240-021324
3"	ISO	None	70240-021208
		10L	70240-021210
		100L	70240-021211
	BSTD	None	70240-021358
		10L	70240-021360
		100L	70240-021361
	ANSI	None	70240-021304
		10L	70240-021305
		100L	70240-021306
4"	ISO	None	70240-021213
		10L	70240-021215
		100L	70240-021216
	BSTD	None	70240-021363
		10L	70240-021406
		100L	70240-021365
	ANSI	None	70240-021308
		10L	70240-021310
		100L	70240-021311

Diameter	Connection Type	Pulse Resolution	Catalog Number
6"	ISO	None	70240-021219
		100L	70240-021221
		1m³	70240-021222
	BSTD	None	70240-021368
		100L	70240-021369
		1m³	70240-021370
	ANSI	None	70240-021312
		100L	70240-021314
		1m³	70240-021315
8"	ISO	None	70240-021223
		1m³	70240-021225
	BSTD	None	70240-021372
		1m³	70240-021373
	ANSI	None	70240-021317
		1m³	70240-021318
10"	ISO	None	70240-021226
		1m³	70240-021228
	BSTD	None	70240-021375
		1m³	70240-021376
	ANSI	None	70240-021320
		1m³	70240-021321

Additional diameters, flange types and pulse resolutions available upon request
 * WMR models include records

For woltman type water meter with electronic register

Diameter	Flange Type	Pulse Resolution	Catalog Number
2"	ISO	10L x 100L	70240-021199
	BSTD	10L x 100L	70240-021198
3"	ISO	10L x 100L	70240-007509
	BSTD	10L x 100L	70240-007508
	ANSI	10L x 100L	70240-021400
4"	ISO	10L x 100L	70240-003862
	BSTD	10L x 100L	70240-003861
6"	ISO	100L x 1m³	70240-004665
	BSTD	100L x 1m³	70240-021390
	ANSI	100L x 1m³	70240-004130
8"	ISO	100L x 1m³	70240-008612
	BSTD	100L x 1m³	70240-008710
	ANSI	100L x 1m³	70240-004660



Note: must order

Description	Catalog Number
pulse cable for digital register	70220-030000

* Additional diameters, flange types and pulse resolutions are available upon request