

# ARAD™

## Woltman Type

### MECHANICAL REGISTER

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



STANDARD MODEL



Accurate



Durable



Remarkable

## Benefits & Features

- ✓ Only the impeller is in constant contact with the water
- ✓ Extremely resistant to any working conditions
- ✓ Available with all required pulse rates

## Specifications & Recommendations

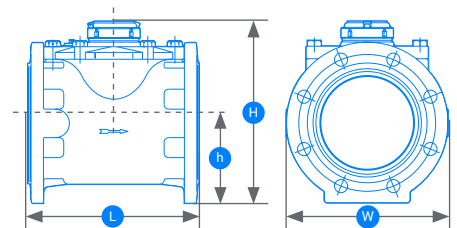


WMR MODEL

- **Maximum Working Pressure:** 16 bar
- **Maximum Working Temperature:** 60°C
- The meter shall be full of water while operating.
- Prior to installation of a meter, the pipeline shall be thoroughly flushed
- **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

→ PERFORMANCE DATA

DIAMETER		Q1 MINIMUM FLOWRATE (M <sup>3</sup> /H)	Q2 TRANSITIONAL FLOWRATE (M <sup>3</sup> /H)	Q3 NOMINAL FLOWRATE (M <sup>3</sup> /H)	Q4 MAXIMUM FLOWRATE (M <sup>3</sup> /H)	STARTING FLOW (M <sup>3</sup> /H)	MAXIMUM REGISTER CAPACITY (M <sup>3</sup> /H)	R Q3/ Q1	ACCURACY BETWEEN Q4 & Q2	ACCURACY BETWEEN Q2 & Q1
MM	INCH									
50*	2	0.45	2	20	40	0.15	10 <sup>6</sup>	44.4	±2%	±5%
50	2	0.63	1.01	63	78.75	0.15	10 <sup>6</sup>	100		
65	2½	0.63	1.01	63	78.75	0.15	10 <sup>6</sup>			
80	3	1	1.6	100	125	0.25	10 <sup>6</sup>			
100	4	1.6	2.56	160	200	0.3	10 <sup>7</sup> /10 <sup>6</sup>			
150	6	2.5	4	250	312.5	0.8	10 <sup>7</sup> /10 <sup>6</sup>	50		
200	8	12.6	20.16	630	787.5	2	10 <sup>8</sup>			
250	10	20	32	1000	1250	3	10 <sup>8</sup>			
300	12	20	32	1000	1250	4	10 <sup>8</sup>			

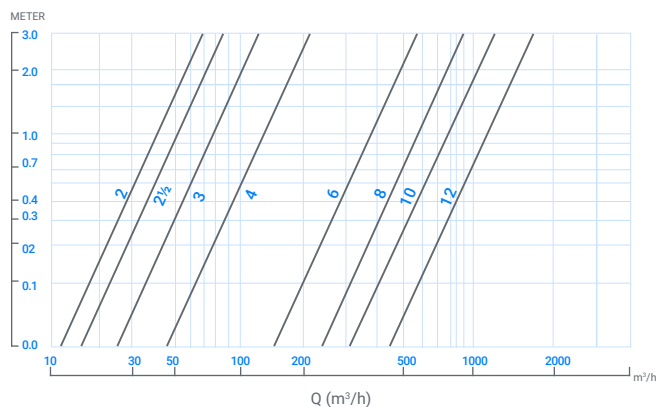
\* Referring to WMR model

→ 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	70240-021216
			100L	70240-021217
BSTD		NONE	70240-021363	
		10L	70240-021365	
		100L	70240-021366	
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
		1M <sup>3</sup>	70240-021222
	BSTD	NONE	70240-021368
		100L	70240-021369
		1M <sup>3</sup>	70240-021370
	ANSI	NONE	70240-021312
		100L	70240-021314
		1M <sup>3</sup>	70240-021315
8"	ISO	NONE	70240-021223
		1M <sup>3</sup>	70240-021225
	BSTD	NONE	70240-021372
		1M <sup>3</sup>	70240-021373
	ANSI	NONE	70240-021317
		1M <sup>3</sup>	70240-021318
10"	ISO	NONE	70240-021226
		1M <sup>3</sup>	70240-021228
	BSTD	NONE	70240-021375
		1M <sup>3</sup>	70240-021376
	ANSI	NONE	70240-021320
		1M <sup>3</sup>	70240-021321

→ HEAD LOSS



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

→ CATALOG NUMBERS 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
	ANSI	10L X 100L	70240-021405
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

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

**NOTE: MUST ORDER**

DESCRIPTION	CATALOG NUMBER
PULSE CABLE FOR DIGITAL REGISTER	70220-030000

