

WOLTMAN SILVER TURBO

AS4747 and NMI
Pattern Approved
Water Meter



2023
v1.0

 **NETAFIM**™
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Woltman Silver Turbo (WSTsb) WATER METER

AS4747 & NMI Pattern Approved



WHAT MAKES THE ARAD WOLTMAN TYPE MECHANICAL METER ONE OF THE MOST TRUSTED WATER METERS AVAILABLE?

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

APPLICATION

- Water supply networks, agricultural applications and industrial use.

FEATURES AND BENEFITS

- The WSTsb has a wide measuring rate that enables to serve in broaden applications and in extreme situations (low flows and high flows).
- No sensitivity to working conditions like vibrations.
- No sensitivity to humidity conditions (even if dry chamber is full of water).
- The worm assy. is in a separate kit, which enables easy replacement if necessary.
- Resistance – Bearings and materials used in the WSTsb have been proved to ensure long life expectancy.
- Magnetic Coupling – The WSTsb, like its predecessor, the Woltman Turbo meter - has a unique measuring unit, in which only has one moving element in contact with water, and has repelling magnets installed in the impeller and the transmitting gear, instead of the attracting magnets installed in the WT.
- The implementation of oil and sliding bearing (SB) enables the WSTsb to have better durability.



BE SURE YOU'RE MAKING THE APPROVED CHOICE

The Woltman Silver Turbo SB Water Meter is AS4747 and NMI 10 pattern approved. This meter is a must have for installations requiring Murray Darling Basin Pattern Approvals.

TECHNICAL SPECIFICATIONS

AVAILABLE SIZES		MAX. WORKING PRESSURE	MAX. LIQUID TEMP.	BODY	CONNECTIONS
INCH	MM	BAR	°C		
2" - 12"	50mm - 300mm	Standard - 16 Bar Upon request - 25 Bar	60°C	Cast Iron, Polyester coated Optional - Bronze (AWWA Std.)	TABLE D

→ INSTALLATION REQUIREMENTS

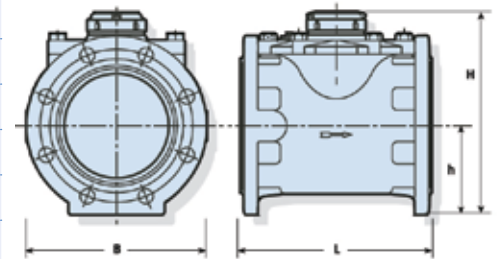
- The water meter may be installed in any position. For non-horizontal positions the flow shall be upwards.
- The meter must be full of water while operating.
- Prior to installation of a meter, the pipeline should be flushed thoroughly.
- Straight pipe section of the same diameter D as the meter, having length of 5D and 2D for 2"-6" and 10D and 5D for 8"-12" shall be installed upstream and downstream of the meter respectively
- NMI M10 Installation: Refer to Approval Certificate

→ PERFORMANCE DATA

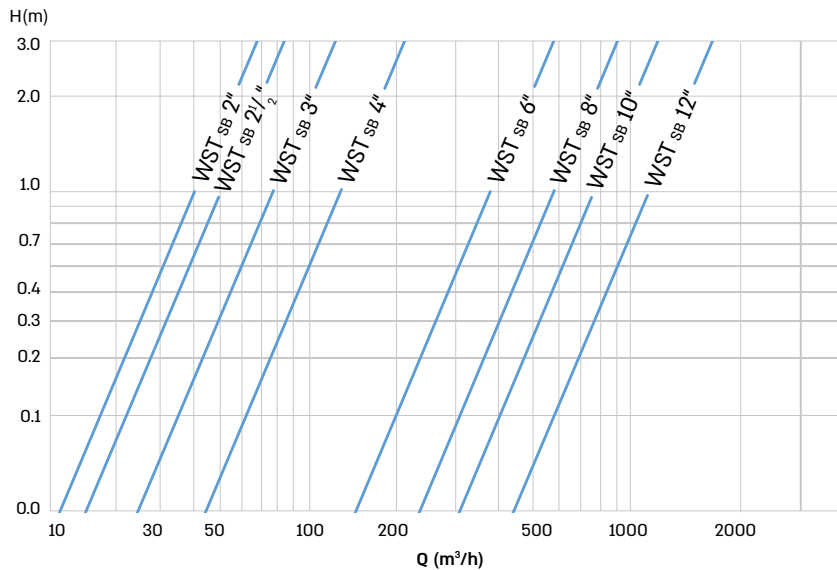
MODEL WSTsb NOMINAL SIZE		Q4 MAXIMUM FLOW RATE	Q3 NOMINAL FLOW REATE	Q2 TRANSITIONAL FLOW RATE	Q1 MINIMUM FLOWRATE	STARTING FLOW	MAXIMUM REGISTER CAPACITY	R VALUE	SMALLEST READABLE UNIT	ACCURACY BETWEEN Q4 & Q2	ACCURACY BETWEEN Q2 & Q1
INCH	MM	M ³ /H	M ³ /H	M ³ /H	M ³ /H	M ³ /H	M ³		LITRE		
2	50	78.75	63	1.01	0.63	0.15	10 ⁶	100	0.5	±2%	±5%
2½	65	78.75	63	1.01	0.63	0.15	10 ⁶	100	0.5	±2%	±5%
3	80	125	100	1.6	1	0.25	10 ⁶	100	0.5	±2%	±5%
4	100	200	160	2.56	1.6	0.3	10 ⁷ / 10 ⁶	100	5	±2%	±5%
6	150	312.5	250	4	2.5	0.8	10 ⁷ / 10 ⁶	100	5	±2%	±5%
8	200	787.5	630	20.16	12.6	2	10 ⁸	50	50	±2%	±5%
10	250	1250	1000	32	20	3	10 ⁸	50	50	±2%	±5%
12	300	1250	1000	32	20	4	10 ⁸	50	50	±2%	±5%

→ DIMENSIONS

NOMINAL SIZE		L - LENGTH WITHOUT COUPLINGS	B - WIDTH	H - HEIGHT	H - HEIGHT	WEIGHT
INCH	MM	MM	MM	MM	MM	KG
2	50	200	165	214	70	12
2½	65	200	185	228	84	13
3	80	230	200	234	90	15.5
4	100	250	200	250	106	19
6	150	300	283	310	130	35
8	200	350	340	338	158	47
10	250	450	406	438	258	75
12	300	500	460	465	330	95



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