ARAD LTD. DALIA - WATER METERS DIVISION

TURBO - WATER METER MODEL WT

WT

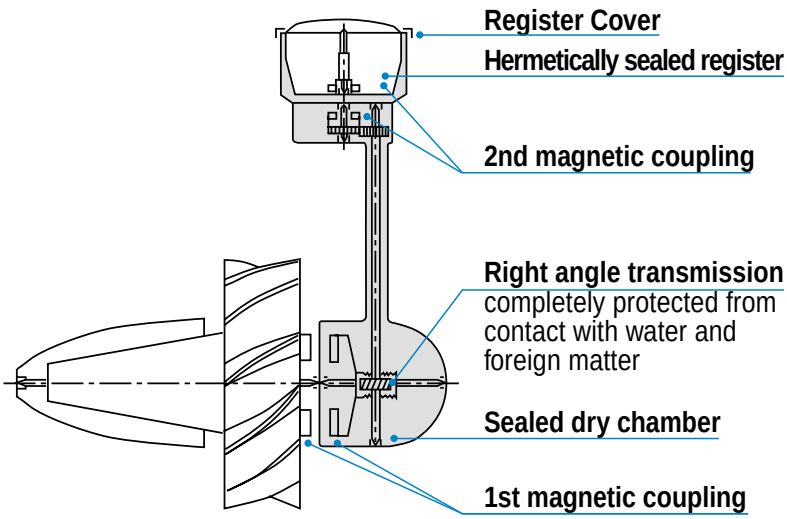
WT 2-3”

WT 4-12”

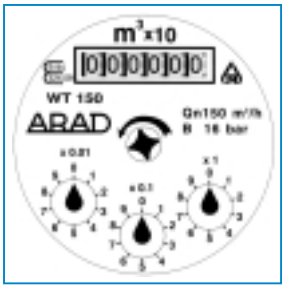
Description: A family of compact size woltman water meters with field interchangeable light weight measuring units.

Features:

- High accuracy, low loss of head and high immunity against abrasive media in the water due to double magnetic coupling. This unique construction leaves only one moving element, the impeller, in contact with water. The next moving components, including the worm & worm wheel, are kept in a sealed, dry compartment and have no contact with any abrasive media present in the water.



- Tungsten carbide impeller shaft tips & bearings for negligible wear in Heavy Duty use are standard on 10” & 12” and optional on all other sizes, code: HD.



- A wide selection of sealed, magnetically coupled registers, with two dial configurations (3 pointers or single central pointer) and different electrical output versions, single or multiple, are available.

- Registers are: Stainless steel/glass encapsulated and guaranteed against fogging.

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Application: Water supply networks, agricultural application and industrial use.

Standards: ISO 4064, AWWA, EEC

Available Sizes: 2" - 12" (50 mm - 300 mm).

TECHNICAL SPECIFICATION:

Maximum working pressure: Standard - 16 bar. Optional - 25 bar.

Maximum working temperature: 60°C

Connection to the pipeline: Flanges according to ISO, BS 10, AWWA or others.

Body: Cast iron, polyester coated. Optional - bronze (AWWA std.).

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 installation of a meter, the pipeline shall be thoroughly flushed.
- Straight pipe section of the same diameter D as the meter, having lenghs of 10D and 5D shall be installed upstream and downstream of the meter respectively.

PERFORMANCE DATA - WT

Nominal size		mm	50	65	80	100	150	200	250	300
		inch	2"	2 1/2"	3"	4"	6"	8"	10"	12"
Qn-ISO 4064	Qn	m^3/h	15	25	40	60	150	250	300	400
Delivery at 1 m. head loss		m^3/h	37	47	80	110	410	660	950	1300
Permissible peak load for short periods	Qmax	m^3/h	65	100	110	200	410	730	1400	2000
Permanent flow rate	Qp	m^3/h	40	70	75	100	260	450	750	1000
Lowest flow rate measured within ±2%	Qt	m^3/h	1	1.4	1.4	2	8	8.5	13	40
Lowest flow rate measured within ±5%	Qmin	m^3/h	0.6	0.75	1	1.6	4.5	7	10	11.5
Starting flow		m^3/h	0.35	0.4	0.4	0.6	1.8	2	6	7
Smallest readable unit		lit	1	1	1	10	10	100	100	100
Maximum register capacity		m^3	10^6	10^6	10^6	10^7	10^7	10^8	10^8	10^8

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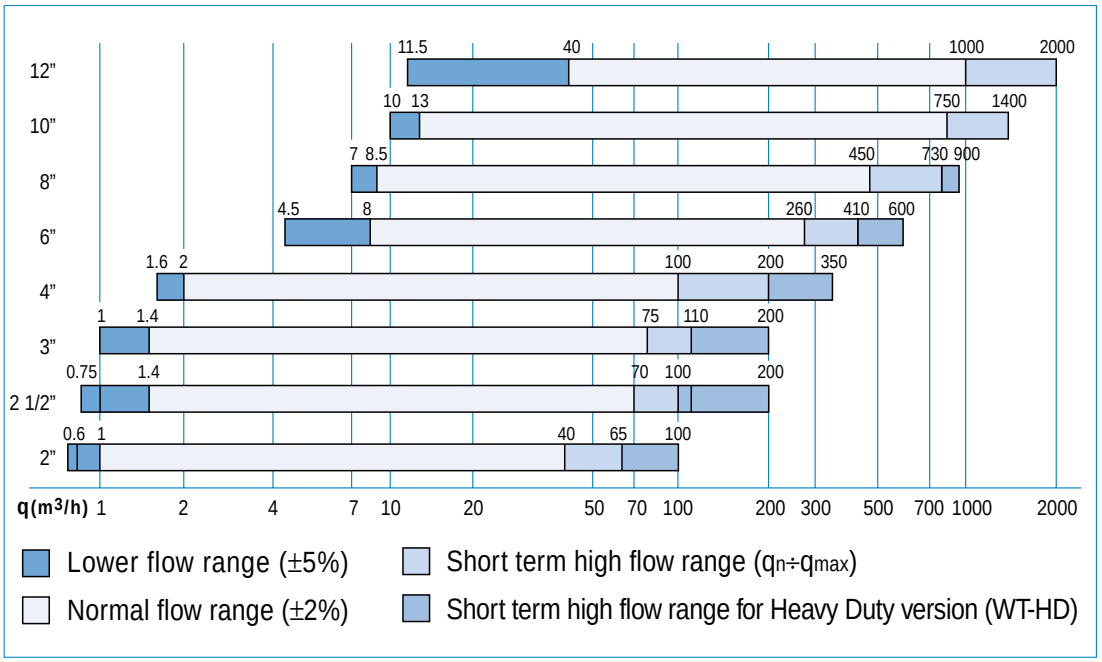
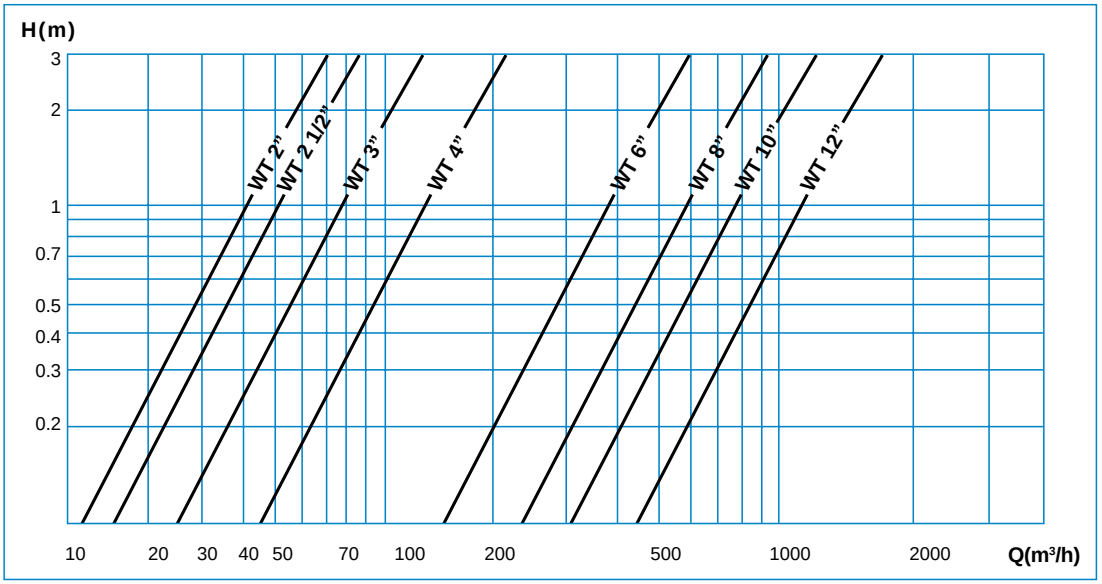
FLOW LIMITS



HEAD LOSS CURVES



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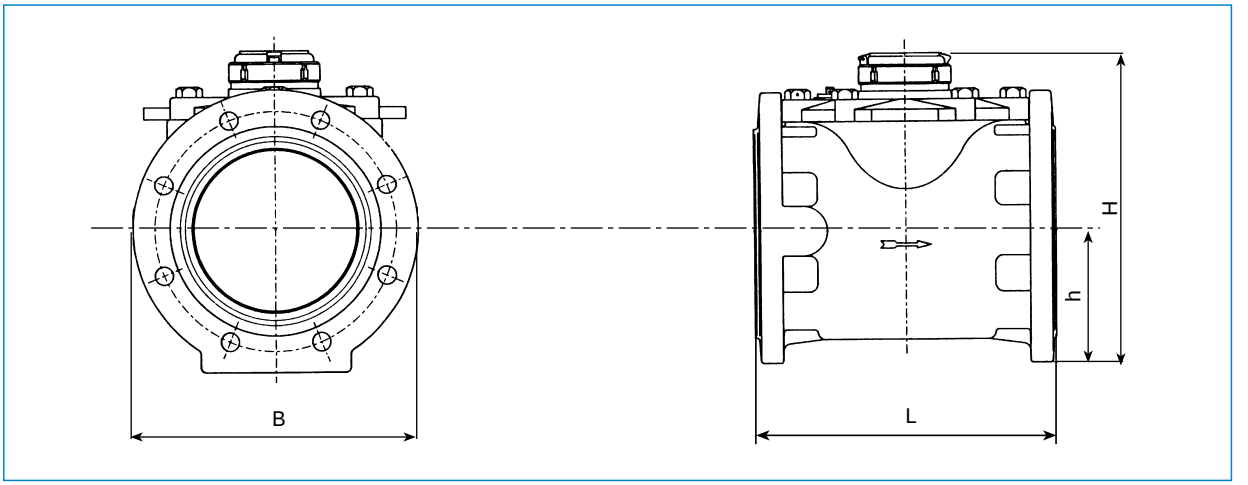
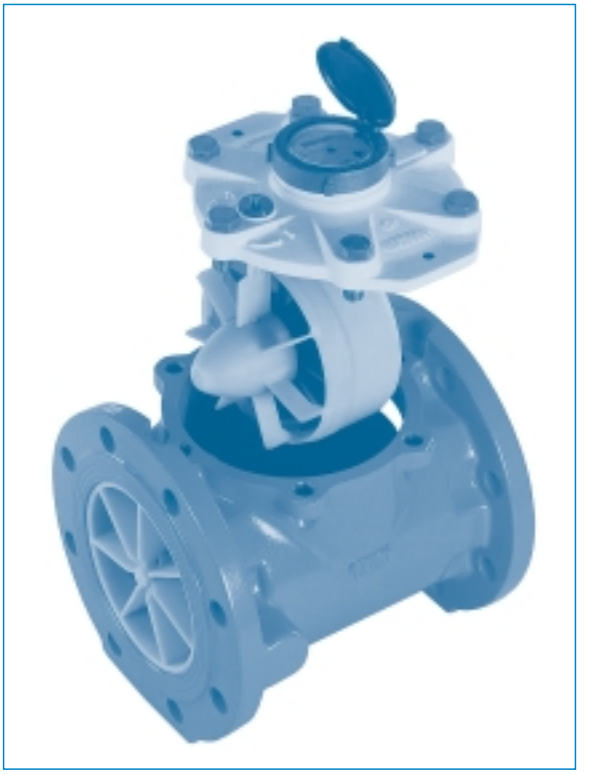
DIMENSIONS

Nominal size	mm	50	65	80	100	150	200	250	300
	inch	2”	2 1/2”	3”	4”	6”	8”	10”	12”
B - Width	mm	165	185	200	200	283	340	406	460
L - Lenght	mm	200	200	230	250	300	350	450	500
H - Hight	mm	214	228	234	250	310	338	438	465
h - Hight	mm	70	84	90	106	130	158	258	330
Weight	kg	12	13	15.5	19	35	47	75	95





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