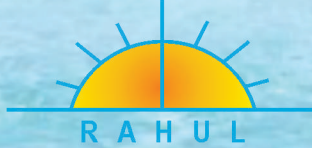


60 YEARS OF SERVICE, QUALITY & RELIABILITY

IS : 779/94



CML-0099954



ISO : 9001 : 2008

Since : 1963

Rajasthan Industrial & Scientific Corporation

(WATER METER DIVISION)



Manufacturers of :

ISI Marked "RAHUL" Water Meter Domestic Type 15 to 50mm & Bulk Type 50 to 150 mm

ISO 4064 Woltman Type 50mm to 500mm

Manufacturer for 15mm Size to 500mm, B.T. Size Water Meters, Strainers & Orifice Flow Equalizer

QUALITY ASSURANCE LADDER:

1.	ISO 4064 Product approval	Our products confirm to the requirements of ISO 4064, an international standard undertaking organization, for product standard specification.
2.	ISI MARKED & APPROVED for IS:779 -94 amended up to date	The best localized standard organization under Government of India
3.	QUALITY WITNESSED AT F.C.R.I. FOR LIFE & PERFORMANCE TESTS	This is the most important certification to enable the buyer to assess the functioning of water meter over the entire life cycle of the product. The certifying agency is an approved laboratory of BIS and happens to be a GOI undertaking research institute i.e. "FLUID CONTROL RESEARCH INSTITUTE" Palakkad, Kerala.
4.	CE marked following MID directives of EU	Our products are approved by the "Measuring Instrument Directives" MID for use of CE mark usually. CE is used for selling products to EUROPEAN UNION while complying to EU standards. It is also known as EEC Marking.



Specification & Performance data of (15-50) mm Domestic Type Water Meter

Flow Rates :

METER SIZE		15mm		20mm		25mm		40mm		50mm	
CLASS		A	B	A	B	A	B	A	B	A	B
Qmax (Maximum flow Rate)	Kl/h	3	3	3	5	7	7	20	20	30	30
Qn (Nominal flow Rate)	Kl/h	1.5	1.5	2.5	2.5	3.5	3.5	10	10	15	15
Qt (Transitional flow Rate)	l/h	150	120	250	200	350	280	1000	800	1500	1200
Q min (Minimum flow Rate)	l/h	60	30	100	50	140	70	400	200	600	300

Metering Accuracy :

METER SIZE		15mm		20mm		25mm		40mm		50mm	
CLASS		A	B	A	B	A	B	A	B	A	B
Metering accuracy (Max.) inclusive Qn & Qt	±%	2	2	2	2	2	2	2	2	2	2
Metering accuracy (Min.)	±%	5	5	5	5	5	5	5	5	5	5

Dimension

METER SIZE		15mm		20mm		25mm		40mm		50mm	
CLASS		A	B	A	B	A	B	A	B	A	B
Length Body (Max.)	mm	165	165	190	190	260	260	300	300	330	330
Overall length Incl. nipples (Max.)	mm	250	250	290	290	380	380	430	430	470	470
Thread length on body (min.)	mm	10	10	12	12	12	12	13	13	15	15
Over all width (Max.)	mm	100	100	130	130	170	170	210	210	270	270



APPLICATION

Measuring the volume of cold potable water passing through the pipeline

FEATURES

Dry type, magnetic drive, antimagnetic function, pointer-roller indicator, easy and long term clear reading, frost resistance, long work life etc.

Available non-return valve, inlet strainer and pulse output on request for AMR integration

WORKING CONDITION

Water temperature: $\leq 55^{\circ}\text{C}$ for cold water meter, Water pressure: $\leq 1\text{MPa}$ or 1.6MPa optional (10bar or 16bar optional)

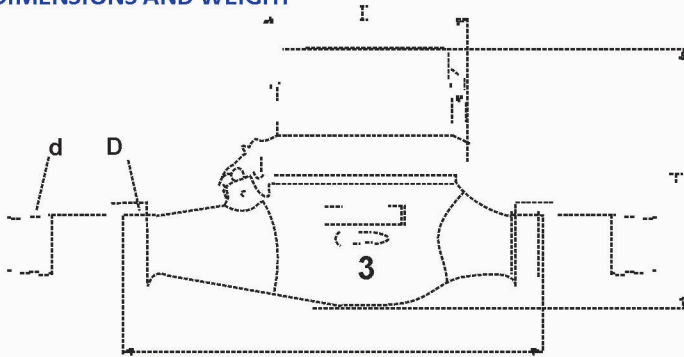
MAXIMUM PERMISSIBLE ERROR

In the lower zone from $Q_{\min}$ inclusive up to but excluding Q_t is $\pm 5\%$. In the upper zone from Q_t inclusive up to and including $Q_{\max}$ is: cold water meter $\pm 2\%$.

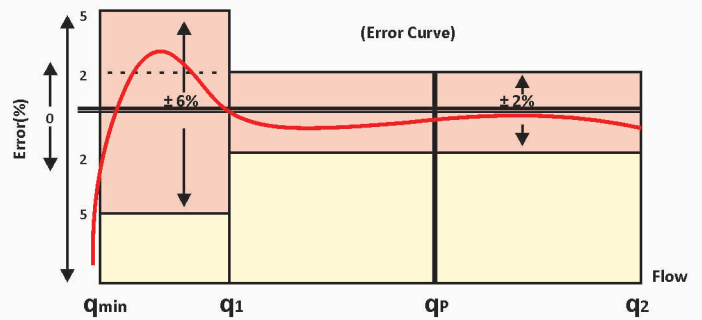
NOTE

Technical data conform to Indian Standard 779:1994, MID CE& International Standard ISO:4064 as follows:

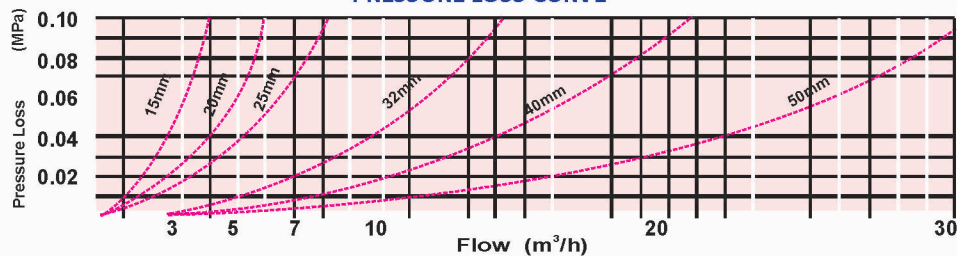
DIMENSIONS AND WEIGHT



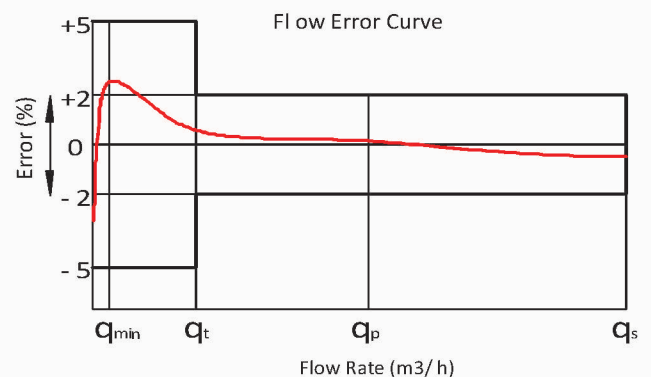
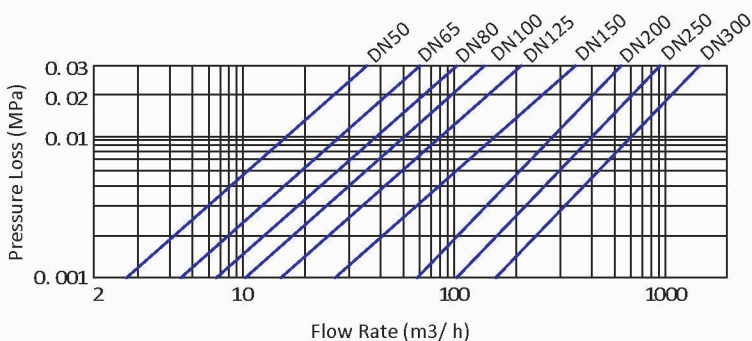
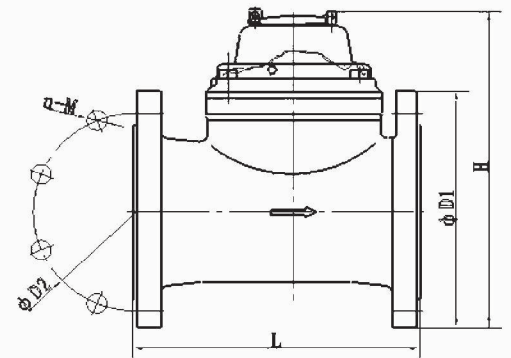
FLOW ERROR CURVE



PRESSURE LOSS CURVE



"RAHUL" brand Bulk (Woltman) type Water Meters:



MAIN TECHNICAL SPECIFICATIONS OF 'RAHUL BRAND' WOLTMAN TYPE WATER METERS:

Type	Size (mm)	Class	qs Overload Flow	qp Permanent Flow	qt Transitional Flow	qminMin. Flow	Min. Reading	Max. Reading
			m ³ /h				m ³	
Woltman	50	B	30	15	3.0	0.45	0.0002	999,999
Woltman	65	B	50	25	5	0.75	0.0002	999,999
Woltman	80	B	80	40	8.0	1.2	0.002	999,999
Woltman	100	B	120	60	12	1.8	0.002	999,999
Woltman	125	B	200	100	20	3	0.002	999,999
Woltman	150	B	300	150	30	4.5	0.002	999,999
Woltman	200	B	500	250	50	7.5	0.002	999,999
Woltman	250	B	800	400	80	12	0.002	999,999
Woltman	300	B	1200	600	120	18	0.02	999,999

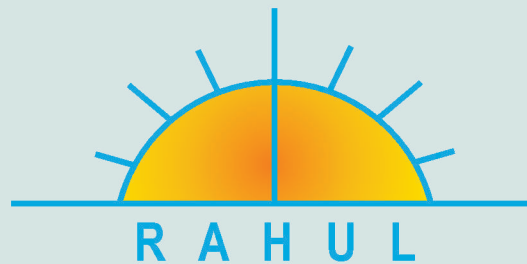
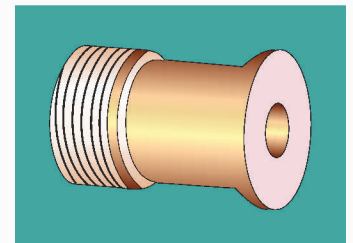
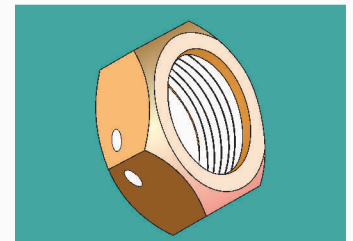
DIMENSIONS

Type	Size	L Length	H Height	Connecting flange		
				φD1 Out side diameter	φD2 Bolt circle diameter	Connecting Bolts (n-M)
Woltman	50	200	261	165	125	4-M16
Woltman	65	200	271	185	145	4-M16
Woltman	80	225	279	200	160	8-M16
Woltman	100	250	289	220	180	8-M16
Woltman	125	250	299	250	210	8-M16
Woltman	150	300	319	285	240	8-M20
Woltman	200	350	346	340	295	8-M20(1.0MPa) 12-M20(1.6MPa)
Woltman	250	400	434	395	350	12-M20(1.0MPa) 12-M24(1.6MPa)
Woltman	300	450	459	445	400	12-M20(1.0MPa) 12-M24(1.6MPa)
Woltman	300	500	459	460	410	12-M24(1.6MPa)

ORIFICE FLOW EQUALIZER

Main features of Orifice Flow EqualizerTM:

1. Orifice Flow EqualizerTM is a part of Water meter so installation of Orifice Flow Equalizer can be done within 10-15 minutes on existing metered connection.
2. There is a provision of sealing arrangement in Orifice Flow EqualizerTM with the Water Meter so it will be departmental sealed part of Water Meter.
3. Without breaking seal, no one can temper Orifice Flow EqualizerTM.
4. Other details are on request.



Rajasthan Industrial & Scientific Corporation

(WATER METER DIVISION)

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RESELLER/DEALER/DISTRIBUTOR'S STAMP