

MJ-SDC(E1)

Multi-jet Dry Type Vane Wheel Water Meter

DN15~50 Screw Connection

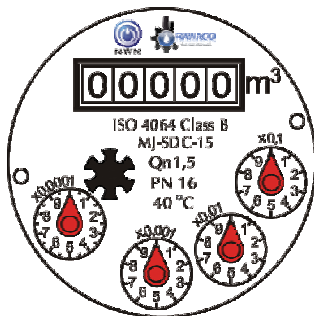


With Reed Switch



Dial Plate

DN15~32



EEC Mark



It is a turbine Multi-jet Super dry water meter for residential application in sizes 15 mm to 50 mm for cold meter.

Features :

- Magnetic drive, lower transmission resistance
- Magnetic shield, for external magnetic field protection
- Sealed dry dial register ensures clear reading
- Internal strainer, inlet strainer for selecting
- External Regulating Device

Standards Compliance :

- ISO 4064 2005 R=80
- EEC marked
- Conforming to IS 779:1994

Optional Features :

- Several lengths and connections available on request
- Non return valve
- U.S. gallon (USG) Cubic Feet (CF) for selecting
- Can be equipped with reed switch

Working Conditions :

- Water temperature : $\leq 40^{\circ}\text{C}$
- Water pressure : $\leq 1.6 \text{ MPa}$

Installation Requirements :

- The meter should be installed in horizontal position with the direction of the flow as indicated by the arrow cast in the meter body with the register face upwards.
- Pipeline must be flushed before installation
- The meter should be constantly full of water during operation

IS:779-1994



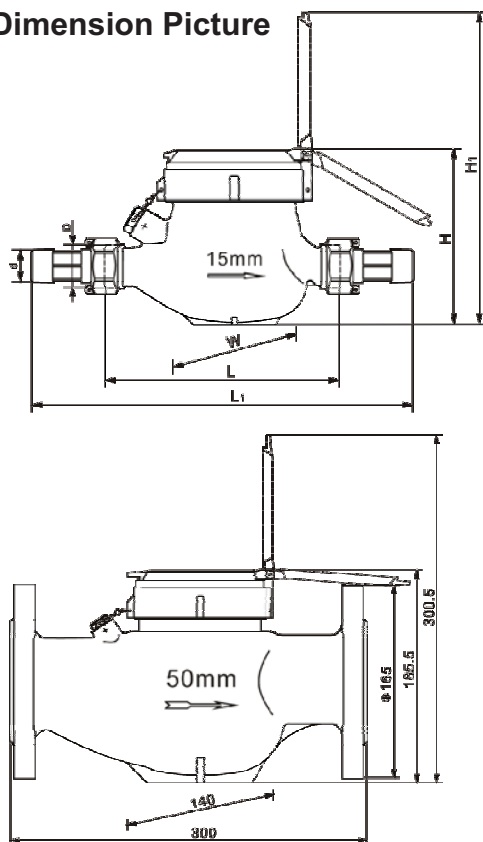
EEC Approved



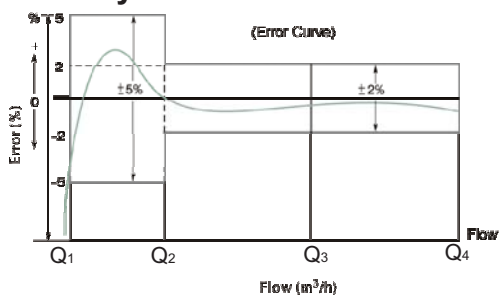
MJ-SDC(E1)

Multi-jet Dry Type Vane Wheel Water Meter

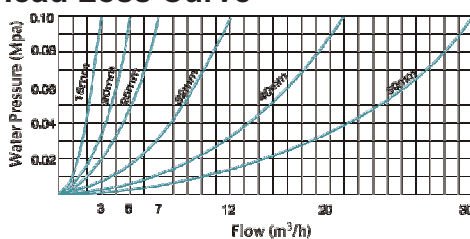
Dimension Picture



Accuracy Curve



Head Loss Curve



Technical Characteristics

Dimensions and Weights

Nominal diameter	DN	15	20	25	32	40	50
Body thread	D	G3/4B	G1B	G1½B	G1½B	G2B	G2½B
Connector thread	d	R1/2	R3/4	R1	R1¼	R1½	R2
Body length	mm	L	165	190	225/260	230/260	245/300
Overall length	mm	L1	259	294	345/380	354/384	376/431
Width	mm	W	94	94	98	98	122
Meter height	mm	H	107.5	107.5	117.5	117.5	141.5
Working height	mm	H1	191	191	206.5	206.5	256.5
Weight without connectors	Kg		1.5	1.6	2.2/2.4	2.7/2.9	4.8/5.1
Weight with connectors	kg		1.68	1.88	2.72/2.92	3.497/3.69	5.84/6.14

Nominal diameter	DN	15					20
Body thread	D	G3/4B					G1B
Connector thread	d	R1/2					R3/4
Body length for selecting	mm	L	110	130	145	170	190
Overall length for selecting	mm	L1	204	224	239	264	284

- "L1" is the total length when coupling gaskets without compression.
- The weight is only for reference.

Main Technical Data (ISO 4064:2005 R=80)

Nominal diameter	DN	15	20	25	32	40	50
Measuring rate	Q3/Q1	80	80	80	80	80	80
Maximum flow rate	m³/h	Q4	3.125	5.0	7.875	12.5	20.0
Nominal flow rate	m³/h	Q3	2.5	4	6.3	10	16
Transition flow rate	l/h	Q2	50	80	126	200	320
Minimum flow rate	l/h	Q1	31.3	50	78.8	125	200
Indicating range	m³	99999.9999					999999.9999/999999.999
Minimum reading	m³	0.0001					0.0001/0.001
Minimum scale interval	L	0.05					0.05/0.5
Pressure loss group at Q4	bar	<1					

Maximum Permissible Error

In the lower zone from Q1 inclusive up to but excluding Q2 is $\pm 5\%$
In the upper zone from Q2 inclusive up to and including Q4 is $\pm 2\%$

IS:779-1994



EEC Approved

