

DN15~25 Single Jet Apartment Meter

BRASS BODY APPARTMENT [SJ] **COLD & HOT**



PLASTIC BODY APPARTMENT [SJ] **COLD & HOT**



DN15~50 Multi Jet Meter

BRASS BODY [MJ] **COLD & HOT**



PLASTIC BODY [MJ]
15, 20, 25mm **COLD**

S.S. 316 BODY [MJ]
COLD & HOT



DN40~50 Multi Jet Flange End

C.I. BODY FLANGED END **HOT & COLD** S.S. 316 BODY FLANGED END **HOT & COLD**



8mm Class C
Drinking Water

15mm Class C
PD Water Meter



Single Jet & Multi Jet Dry Dial Vane Wheel Water Meter.

Vacuum Sealed Dry Dial Register. Screwed Ends. Sizes : 15mm upto 50mm.

Features:

- Magnetic Drive.
- Magnetic Shield, protection from external magnetic influence.
- Vacuum sealed dry dial register to ensure clear reading.
- Internal Strainer for protection from dirt to penetrate the water meter.
- External Regulating Device.

Standards Compliance:

- ISO 4064 Class B for Horizontal Installation.
- IS : 779/1994 VI Revision.

Optional Features:

- MOC Body : Brass, Stainless Steel or Plastic.
- Non Return Valve within the Tail Pipes or Connectors.

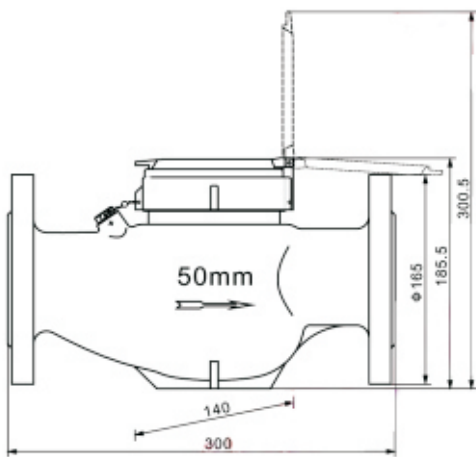
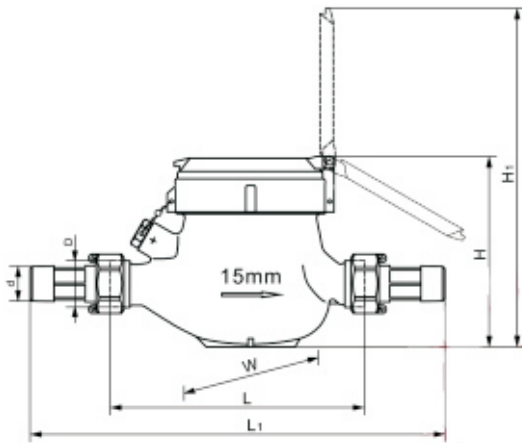
Working Conditions:

- Water Temperature : $\leq 40^{\circ}\text{C}$ / 90°C .
- Water Pressure : 1.6 MPa.

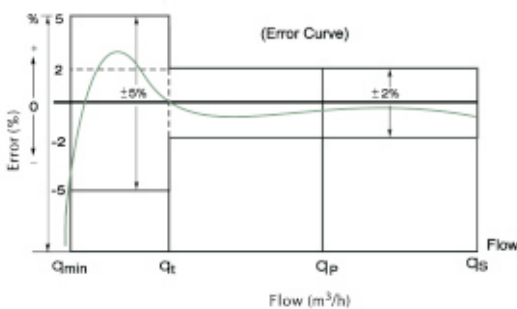
Installation Requirements

- The meter should be installed in Horizontal Position with the direction of the flow as indicated by the arrow casted on the meter body, with the register facing upwards.
- Pipeline must be flushed before installation.
- The water meter should be constantly full of water during operation.

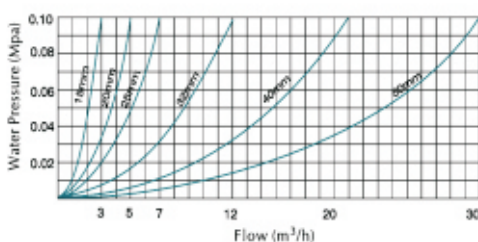
Dimension Picture



Accuracy Curve



Head Loss Curve



Dimensions and Weights

Multi Jet

Nominal Diameter	DN	15	20	25	32	40	50
Body Thread	D	G3/4B	G1B	G1¼B	G1½B	G2B	G2½B
Connector Thread	d	R1/2	R3/4	R1	R1¼	R1½	R2
Body Length mm	L	165	190	260	260	300	300
Overall Length mm	L1	250	290	380	384	430	470
Meter Height mm	H	107.5	107.5	117.5	117.5	141.5	177
Working Height mm	H1	191	191	206.5	206.5	256.5	292
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	

Single Jet

Nominal Diameter	DN	15	20	25
Body Thread	D	G3/4B	G1B	G1¼B
Connector Thread	d	R1/2	R3/4	R1
Body Length For Selecting mm	L	110	130	160
Overall Length For Selecting mm	L1	250	290	285

1. "L1" is the total length when coupling gaskets without compression.
2. Weight for reference

Main Technical Data

Nominal Diameter	DN	15	20	25	32	40	50
Maximum Flow Rate m³/h	Qmax	3.0	5.0	7.0	12	20.0	30.0
Nominal Flow Rate m³/h	Qn	1.5	2.5	3.5	6.0	10.0	15.0
Transitional Flow Rate l/h	Qt	120	200	280	480	800	1200
Minimum Flow Rate l/h	Qmin	30	50	70	120	200	300
Indicating Range	m³	99999.9999			99999.999		
Minimum Reading	m³	0.0001				0.001	
Minimum Scale Interval	L						
Pressure Loss Group at Qmax	bar	≤1					

Maximum Permissible Error

In the lower zone from Qmin inclusive up to but excluding Qt is ± 5%.
 In the upper zone from Qt inclusive up to and including Qmax is ± 2%.

INSTALLATION

Conditions for Installation and use

The meter can be connected on an horizontal class 'B' vertical / oblique class 'A' accuracy

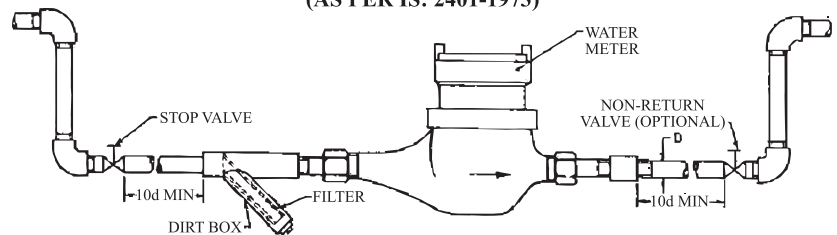
Very important

- The embossed arrow of the meter body must always point in the direction of the flow.
- Upstream of the inlet of the meter, connect a flow straightener or leave a straight length of pipe (refer to drawing).
- When putting the pipework into service, the upstream stopcock must be opened - very slowly until the air has been totally evacuated.
- We recommend to install a filter upstream the meter. This is compulsory for industrial or raw water.

Installation

- To allow draining the pipework and exchanging the meter, it is advised to connect a valve both upstream and downstream of the meter.
- Since high temperatures might damage certain components of the meter, never make solderings on the pipework once the meter is connected.

INSTALLATION DIAGRAM TO ACHIEVE FULL FLOW EFFECT (AS PER IS: 2401-1973)



D = Nominal diameter of pipe

FIG. 1 POSITIONING OF WATER METER