



# LEHRY VALVES

Where flow and pressure meets quality

## MULTIJET WATER METER

The water enters the meter from the inlet of the meter body and impacts the vane wheel at the tip of the vane blades to make it rotate. The water flows out from the outlet of the body. The rotation of the vane wheel (proportional to the velocity of water flow) is transmitted directly to the central gear in the vacuum-sealed register by the magnetic coupling. The sealed register totalizes and indicates the water volume passing through the meter.

### Function:

- ❖ Dry-dial, magnetic drive, protected against external magnetic tampering
- ❖ Vacuum Sealed register, frost resistant, keeps clear reading for long time
- ❖ Brass body, Cast Iron Body or Plastic Body, Optional
- ❖ Brass body and cast iron body can be painted
- ❖ Internal or external adjusting device, optional
- ❖ For hot or Cold Water
- ❖ The meters confirm to ISO4064 Standard Class B or Class C

### Upon Request:

- ❖ Remote transmission device can be added upon request
- ❖ Pulse output may be 1L/Pulse, 10L/Pulse

### Working Condition:

- ❖ Water temperature  $\leq 50^{\circ}\text{C}$ , (Hot water meter  $\leq 90^{\circ}\text{C}$ )
- ❖ Water pressure 16bar
- ❖  $\Delta P \leq 0.1\text{MPa}$  (Qs)
- ❖  $\Delta P \leq 0.063\text{MPa}$  (Q3)

### Accuracy:

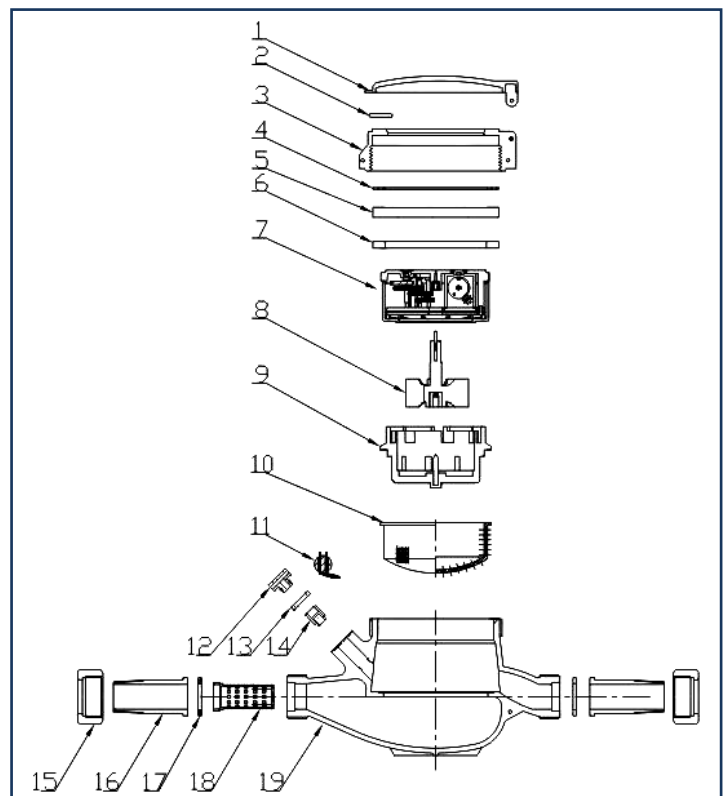
From minimum flow-rate ( $q_{min}$ ) inclusive, to transitional flow-rate ( $q_t$ ), exclusive:  $\pm 5\%$

From transitional flow-rate ( $q_t$ ) inclusive, to overload flow-rate ( $q_s$ ), exclusive:  $\pm 2\%$  (Hot water meter:  $\pm 3\%$ )

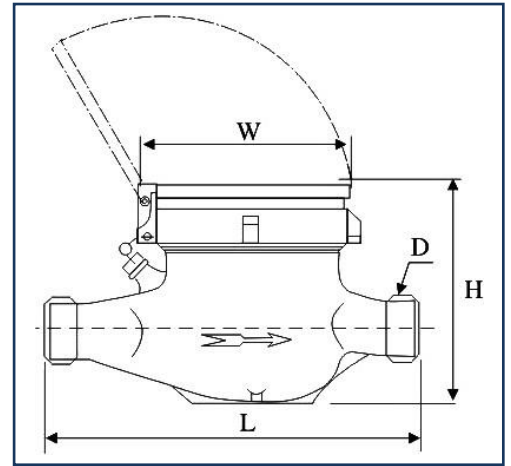
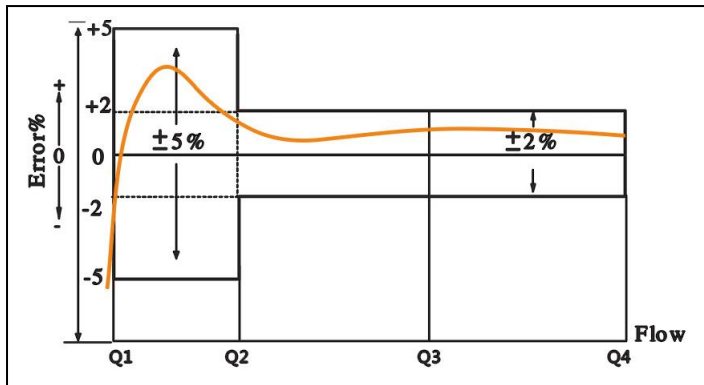


### Technical Specifications:

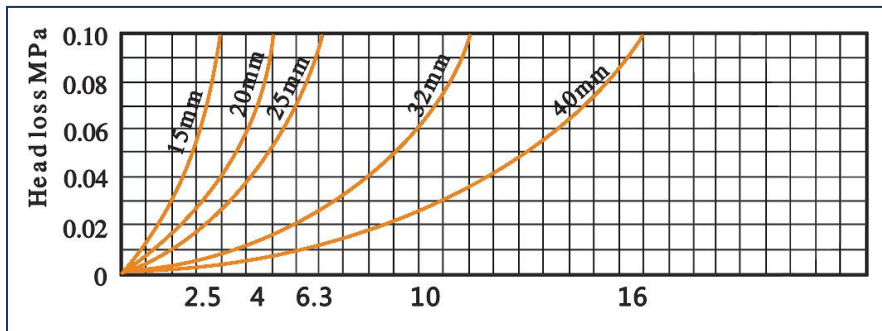
SL	Description
1	Lid
2	Insert Pin
3	Cover
4	Gasket
5	Glass
6	Gasket
7	Register
8	Impeller
9	Chamber
10	Filter
11	Lead Seal
12	Screw
13	O-Ring
14	Insert
15	Nut
16	Liner
17	Gasket
18	Filter
19	Meter Body



## Error Curve



## Head Loss Curve



Model No	LIV-WM-MJ-001														
Size (MM)	15			20			25			32			40		
Ratio Q3/Q1	R80	R100	R160	R80	R100	R160	R80	R100	R160	R80	R100	R160	R80	R100	R160
Overload Flow rate (Q4) [m³/h]	3.125	3.125	3.125	5	5	5	7.875	7.875	7.875	12.5	12.5	12.5	20	20	20
Permanent Flow Rate (Q3) [m³/h]	2.5	2.5	2.5	4	4	4	6.3	6.3	6.3	10	10	10	16	16	16
Transitional Flow Rate (Q2) [m³/h]	0.05	0.04	0.025	0.08	0.064	0.04	0.126	0.1008	0.063	0.2	0.16	0.1	0.32	0.256	0.16
Minimum Flow Rate (Q1) [m³/h]	0.03125	0.025	0.015625	0.05	0.04	0.025	0.07875	0.063	0.039375	0.125	0.1	0.0625	0.2	0.16	0.1

Accuracy Class	2
Max. Permissible error for the lower flow rate zone (MPEI)	±5%
Max. Permissible error for the Upper flow rate zone (MPE <sub>u</sub> )	±2% for water having a temperature ≤30°C ±3% for water having a temperature <30°C
Temperature Class	T30
Water Pressure Classes:	MAP 16
Pressure - Loss Class	ΔP63
Indication range [m³]	99 999
Resolution of the indicating device [m³]:	0.00005
Flow profile sensitivity Classes:	U0 D0
Orientation limitation	HORIZONTAL

Model No	LIV-WM-MJ-001					
Size (MM)	15	20	25	32	40	
Length L(mm)	110	130	160	160	200	
Size (mm)	15	20	25	32	40	
L	110	130	160	160	200	
L + Unions	169	218	260	272	316	
H	80.5	83	91.5	119	119	
W	80	80	80	102	102	
D	¾"	1"	1 ¼"	1½"	2"	
Connection Thread:	G¼"B	G1"B	G1¼"B	G1½"B	G2"B	
Weight	with Unions	0.64	0.83	1.3	2.1	2.6
	without unions	0.5	0.6	0.9	1.5	1.8

## LEHRY INSTRUMENTATION & VALVES PVT. LTD

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