

FEATURES

- Ideal for irrigation and process applications
- Ideal for gravitational flows.
- Running (non-resetable) mechanical total.
- Optionally also with Reed Switch pulse output (can be retrofitted on the new design models).
- Accuracy: $\pm 2\%$ (full scale flow). To 50 °C.
- ISO 4064 Class B Compliant.
- Can pass small impurities without blockage.
- Can connect the optional pulse output to ManuFlo Indicators to provide resetable total display, or for batching applications.

NEW IMPROVED DESIGN



MEH flowmeter

The MEH and MEHR Multi-Jet flowmeters are available in sizes of 15 to 50mm (these sizes have an internal strainer), and as turbines in 80 – 300mm sizes, and are suitable for volume measurement of water.

They are available as MEH type which is a pure mechanical totaliser meter, or as MEHR type which has a contact closure Reed Switch pulse output module (1 Litre/pulse for sizes 15-50mm, 100 Litres/pulse for 80-100mm, and 1000 Litres/pulse for 150–300mm sizes), for indication and process control applications. The Reed Switch pulse output module can be retrofitted on 15-50mm flowmeters, but must be ordered with the flowmeter if required for sizes ≥ 80 mm.

Measurement is in the forward flow direction only. The register system operates by means of magnetic drive, and is sealed and separated from the water measurement system. Small impurities are able to be passed without blockage.

MEHR1 meters can be used as a resetable meter if connected to a ManuFlo ME5 or ME7 resetable totaliser display.

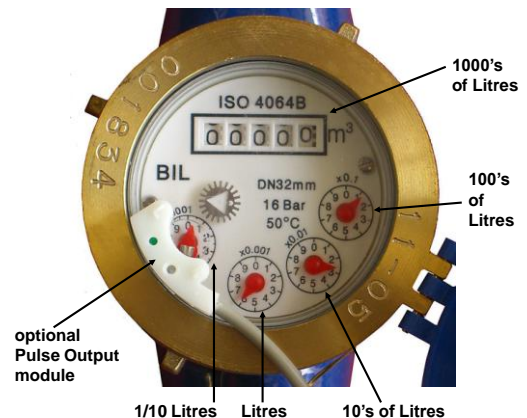
The meters capture low to medium flow measurement ranges, and so are ideal for gravitational flows or low pressure installations for irrigation and process applications.



20mm size
(multijet)



100mm size
(turbine)



MEH totaliser display
(adding all indicators = total = 126.03 Litres)

Hermetically vacuum-sealed register ensures no moisture issues.

INSTALLATION

- Minimum straight pipe lengths are recommended before (upstream of) and after the flowmeter:
 - For 15 – 50mm pipesize: 5x diameter before, and 3x diameter after.
 - For ≥ 80 mm pipesize: 10x diameter before, and 5x diameter after.
- Before installation, flush out all pipeworks.
- During installation, make sure the arrow marked on the meter body is in same direction as the water flow.
- To maintain the stated accuracy, the meter ideally should be installed in a horizontal position, with the display face up.
- Avoid freezing conditions.

FLOWRANGES # ±5% accuracy * ±2% accuracy

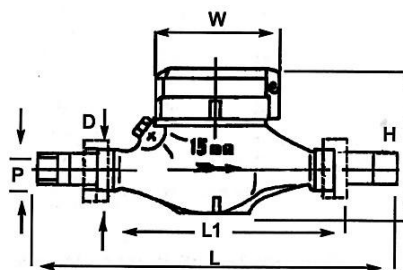
DN (mm)	Flowrate (Litres/minute)			
	Qmin [#]	Qtran [*]	Qnom [*]	Qmax [*]
15 mm	0.5	2	25	50
20 mm	0.8	4	42	83
25 mm	1.2	6	58	115
32 mm	2.4	10	100	200
40 mm	3.3	17	167	330
50 mm	12	25	250	500
80 mm	27	133	667	2000
100 mm	40	200	1000	3333
150 mm	75	500	2500	5000
200 mm	125	833	4167	8333
250 mm	200	1333	6666	13333
300 mm	300	2000	10000	25000

TECHNICAL SPECS

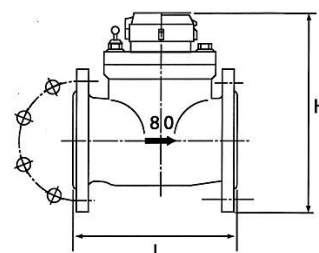
Accuracy	±2.5% (Qtran – Qmax) (Class B) to ISO4064B.
Measurement type	≤ 50mm : Multi-jet ≥ 80mm : Woltex turbine
Temperature	< 50 °C
Water pressure	<1000 kPa (PN10)
Casing	Brass/gunmetal.
Working chamber	Thermo-plastic.
Optional Pulse Output	Via contact closure Reed Switch. Can switch up to 6 vac/DC, 100mA. 1 metre pulse cable lead. 15-50mm: can retro-fit pulse o/p. ≥ 80mm: order with flowmeter.

DIMENSIONS

DN (mm)	Dimensions (mm)				Weight (kg)
	L	L1	W	H	
15mm	259	165	98	115	2
20mm	294	190	98	114	2
25mm	310	190	103	114	3
32mm	384	260	103	127	4
40mm	375	245	125	144	5
50mm	450	290	140	195	9
80 mm	225			280	16
100 mm	250			280	19
150 mm	300			230	38
200 mm	350			360	52
250 mm	450			360	105
300 mm	500			360	120



For ≤ 50mm size.



For ≥ 80mm size.

ORDER CODES

Size (mm)	Totaliser only		Totaliser with Reed Switch pulse output			Order Code	Description
	Order Code	ends [#]	Order Code	Pulse Output	ends [#]		
15	MEH15	BM	MEH15R1	1 pulse / 1 Litre	BM	RS	1 pulse / 1 Litre Reed Switch module and 1 metre cable for retro-fitting to flowmeter sizes 15-50mm
20	MEH20	BM	MEH20R1	1 pulse / 1 Litre	BM		
25	MEH25	BM	MEH25R1	1 pulse / 1 Litre	BM		
32	MEH32	BM	MEH32R1	1 pulse / 1 Litre	BM		
40	MEH40	BM	MEH40R1	1 pulse / 1 Litre	BM		
50	MEH50	BM	MEH50R1	1 pulse / 1 Litre	BM		
80	MEH80	E	MEH80R100	1 pulse / 100 Litres	E		
100	MEH100	E	MEH100R100	1 pulse / 100 Litres	E		
150	MEH150	E	MEH150R1000	1 pulse / 1000 Litres	E		
200	MEH200	E	MEH200R1000	1 pulse / 1000 Litres	E		
250	MEH250	E	MEH250R1000	1 pulse / 1000 Litres	E		
300	MEH300	E	MEH300R1000	1 pulse / 1000 Litres	E		

connection ends:

BM: BSP male couplings (coupling connectors supplied)

E: Table E flanged (flange connection kits are available)

Due to continuous product improvement, specifications may change without notice.