

Endurance Multijet Turbine Meter

Scope of Use/Specification Sheet

The RMC Endurance Multijet Turbine Meter is a robust device for use by water authorities operating water supply networks on a user pays basis.



WM273MRP

Product Code

20mm DC Meter Thread	WM273MRP
20mm DC NSW Thread	WM274MRP
20mm DC BSP Thread	WM275MRP
25mm DC NSW Thread	WM270MRP
25mm DC Meter Thread	WM271MRP
25mm DC BSP Thread	WM272MRP

Reed Switch WM598 required for pulse output

Materials

Body/H Ring	DZR Brass
Reading Face	Polycarbonate
Counter Mechanism	Polystyrol
Check Valve	Acetal

Application

The RMC Endurance Multijet Turbine Water Meter is suited for internal and external use. The product is certified for use in the horizontal plane, with the dial facing upwards. Flow direction is indicated by the arrow on the meter body and must be observed during installation. For ease of servicing, it is recommended that an isolating valve be installed before the meter.

Cold water application only.

Features and Benefits

- Encapsulated reading face prevents fogging and discolouration from trapped particulate in the metered water supply.
- Low friction mechanism.
- Higher mechanical durability and inherent resistance to choking as a result of large port clearances.
- Long term meter accuracy.
- Essential for maintaining charging equity.
- Economical metering option.
- Extended service life provides significant long term cost savings for Water Authorities.
- Direct drive mechanism.
- No magnetic coupling protects device from magnetic interference.
- Pulse capable.
- Optional reed switch allows remote reading without breaking the meter seal.
- Internal non-return valve and strainer.
- Metrological Certification – NMI Approval.

Installation

Installation is subject to the requirements of the applicable regulatory authority, the National Construction Code Volume Three – Plumbing Code of Australia, associated reference standards as applicable at the time and AS/NZS 3500.1.



Endurance Multijet Turbine Meter

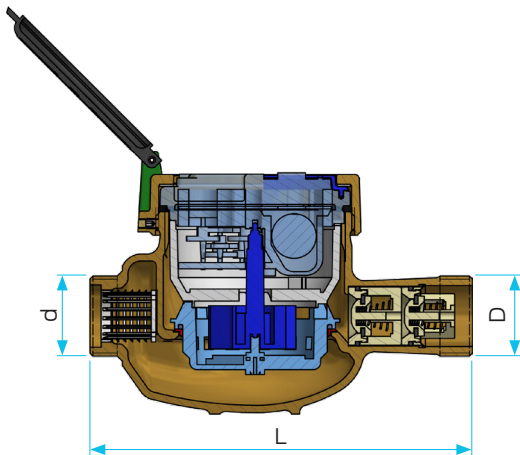
Performance Specifications

	DN20	DN25
Overload Flow Rate (Q4)	5 kL/h	7.9 kL/h
Permanent Flow Rate (Q3)	4 kL/h	6.3 kL/h
Transition Flow Rate (Q2)	32 L/h	64 L/h
Minimum Flow Rate (Q1)	20 L/h	40 L/h
Minimum Registration Flow Rate	5 L/h	7 L/h
Pressure Loss	70 kPa @ 2.5 kL/h	73 kPa @ 3.5 kL/h
Strainer	Total area: 1395 mm ² Hole size: 2.0x2.0 mm	Total area: 2200 mm ² Hole size: 2.0x2.0 mm
Accuracy	Q1 to Q2 Q2 to Q4	± 5% ± 2%

Dimensions

	DN20		DN25	
	Meter	NSW	Meter	NSW
Body Thread (D)				
Body Length (L)	154	152	178	173
Connector Thread (d)	R¾"		R1"	
Width	90		105	
Weight (without connectors)	1.4 kg		1.8 kg	
Weight (with connectors)	1.9 kg		2.5 kg	

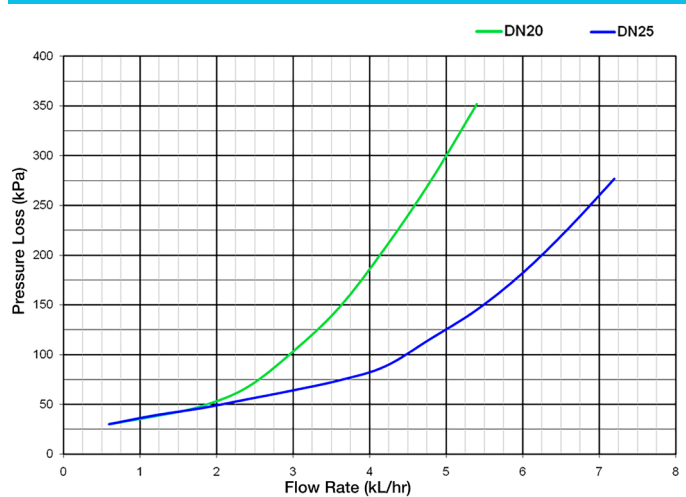
Note: All measurements in mm unless otherwise stated.



Technical Specifications

Meter Type	Multijet
Drive Type	Direct, not susceptible to magnetic interference
Register Type	Roller-Protected Counter Maximum Reading: 99,999 kL Minimum Reading: 0.5 L Leak Detection: Wheel
Indicator Type	Digital Indicators (black) = kilolitres Pointer Wheels (red) = sub-multiples
Pulse Output Option	1 pulse per 10 L
Maximum Working Pressure	1400 kPa
Integral Non-Return Valve	Yes – dual check valve to AS 2845.1
Maximum Working Temperature	30°C
Maximum Operating Temperature	50°C

Flow Characteristics



Standards and Approvals



AS 3565.1
WMKA1881