

Endurance Multijet Turbine Meter

Scope of Use/Specification Sheet

The RMC Endurance Multijet Turbine Meter is a robust device that ensures long term meter accuracy. The meter is pulse capable and features an extended service life due to its low friction mechanism and higher mechanical durability.



WM322MRP

Product Code

Model	Catalogue Number
32mm Oval Flange	WM322MRP
40mm Oval Flange	WM402MRP

Reed Switch WM598 required for pulse output

Materials

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

Application

The RMC Water Valves Endurance Multijet Turbine Water Meter is a water meter for indoor and outdoor use. The product is only certified to be installed in a horizontal orientation. The meter must be installed with the direction of the flow as indicated by the arrow cast in the meter body. For ease of servicing it is recommended an isolating valve be installed before the meter.

Do NOT use cold water meter in hot water pipeline.

Features and Benefits

- Reading face, including rollers, are encapsulated in protective silicon oil filled chamber.
- Sealed roller 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 is 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.
- Internal non-return valve and strainer.
- Protects from dirt and debris, as well as prevents reverse flow.

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.

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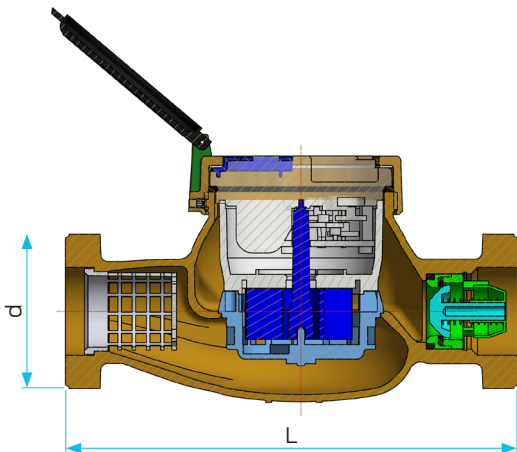
Performance Specifications

	DN32	DN40
Overload Flow Rate (Q4)	12.5 kL/h	20 kL/h
Permanent Flow Rate (Q3)	10 kL/h	12 kL/h
Transition Flow Rate (Q2)	100 L/h	160 L/h
Minimum Flow Rate (Q1)	63 L/h	100 L/h
Minimum Registration Flow Rate	7 L/h	7 L/h
Pressure Loss	24 kPa @ 5 kL/h	45 kPa @ 7.5 kL/h
Strainer	Total area: 2950 mm ² Hole size: 2.0x2.0 mm	Total area: 5500 mm ² Hole size: 3.0x1.5 mm
Accuracy	Q1 to Q2 Q2 to Q4	± 5% ± 2%

Dimensions

	DN32	DN40
Body Thread	Oval Flange	
Body Length (L)	190	232
Connector Thread (d)	R1¼"	R1½"
Width	115	115
Weight (without connectors)	2.7 kg	4.0 kg
Weight (with connectors)	4.3 kg	5.7 kg

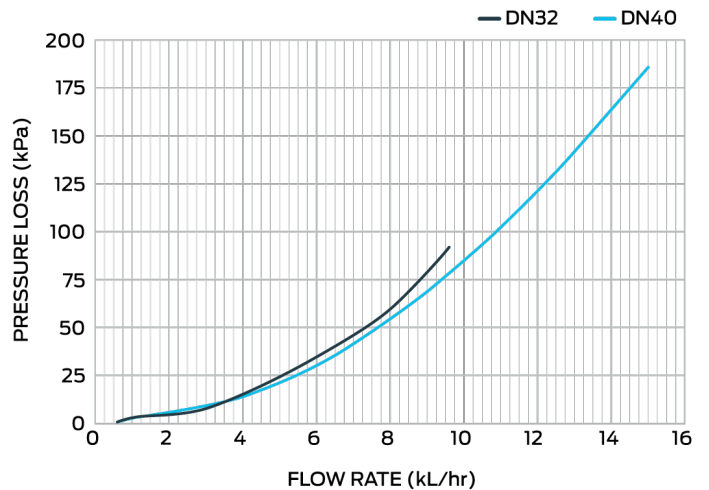
Note: All measurements in mm unless otherwise stated.



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: 0.05 L Leak Detection: Wheel
Indicator Type	Digital Indicators (black) = kilolitres Pointer Wheels (red) = sub-multiples
Pulse Output Option	1 pulse per 10 L
End Connections	Oval flange to AS 3565.1
Maximum Working Pressure	1400 kPa
Integral Non-Return Valve	Yes
Maximum Working Temperature	30°C
Maximum Operating Temperature	50°C

Flow Characteristics



Standards and Approvals



AS 3565.1
WMKA1881