

Tenant Valve Advance Water Meter

A primary charging water meter that can be used in conjunction with a tenant valve to monitor water usage

Overview

Reliance Valves Tenant Valve Advance Water Meter for primary charging of a cold water supply. The valve is a coaxial type and suited for direct connection to the Tenant Valve Advance. Acting as a sensitive positive displacement water meter, the valve features a rotating type impellor to reliably and accurately monitor the water supply usage.

The flowing water causes the piston to rotate within its chamber, each piston revolution being the equivalent to a known volume of water. The piston movement is transferred by a magnetic coupling to the register, which has the appropriate reduction gearing.

The water meter is tailor made for the UK market and its unique requirements.

Features and benefits

- Specially designed for high accuracy and wide measuring range
- Sealed super-dry register
- Designed to accept a clip on pulse output cap
- Lightweight composite body construction
- Suitable for use as a primary charging meter
- Vertical or horizontal installation
- Rotating dial allows orientation for easy reading
- MID Approved - R315 Product Description code

Product code	Size	Description
WATM250001	1 1/2" MBSF	Concentric Water Meter
PLSE250001		Pulse Output Adaptor



WATM250001



WATM250001 with PLSE250001 Installed

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Specification & Working Parameters - Water Meter

Maximum inlet pressure	16 bar
Maximum temperature	50°C
Suitable Media	Potable Water
Mounting Orientation	Vertical & Horizontal
Register	IP68

Materials

Body	Reinforced Composite
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Approvals

WRAS Approved
MID 2014/32/EU (based on OIML R49 EN 14154 and ISO 4064:2014)

Specification & Working Parameters - Pulse Output

Output Type	Open Drain
Number of Conductors	2 conductors of 22AWG
Pulse Cable Length	1.5m
Maximum Voltage	35Vdc
Maximum Power Dissipation (Steady State)	250mW
Pulse Output Measurement	1 Pulse = 1 Litre

Performance Data

Q4 Maximum flowrate (m3/h)	Q3 Nominal flowrate (m3/h)	Q2 Transitional flowrate (l/h)	Q1 Minimum flowrate (l/h)	R Q3/Q1	Δp at Q3 (ISO class)	Maximum register capacity (m3)	Minimum register capacity (l)	Sensitivity (l/h)
2	1.6	8	5	315	16	10^5	0.02	1
		10.50	6.40	250				
		13	8	200				

Dimensions – All measurements in mm unless otherwise stated

W – Width (mm)	103
H – Height (mm)	141
Weight (kg)	0.66

