

500 Series

Oval Gear Meter



Design Principle

The Oval Gear meter is a precise positive displacement flow meter incorporating a pair of oval geared rotors. These meters are capable of measuring the flow of a broad range of clean liquids. Stainless Steel flow meters are suited to most water based products, chemicals and lubricating liquids.

The flow meter is available as a blind pulse meter with a non-factored pulse output capable of interfacing to most monitoring and control instrumentation.

Specifications

FLOW RANGE:	4 to 180 GPH (15 to 681 LPH)
LINEAR ACCURACY:	Capable of $\pm 1\%$
REPEATABILITY:	Capable of 0.03%
OPERATING PRESSURE:	Up to 150 PSI (10.5 BAR)
TEMPERATURE RANGE:	-30°F to 176°F (-34°C to 80°C)
CONNECTIONS:	3/8" NPT
HALL EFFECT OUTPUT:	3 wire open collector, 5vdc at 20 mA max
PROTECTION CLASS:	Built to IP66/67 (NEMA 4X)

Meter Materials of Construction

Description	SS
Housing	316 Stainless Steel
Sintered Gears	316 Stainless Steel
Seals	EPDM, FKM, PTFE or Neoprene Available



The Standard of Measurement

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