

OM SERIES
MECHANICAL FLOW METER



SPECIFICATIONS

Technology:	Oval Gear	
Line Size Available:	½" (4 mm)	
	1" (25 mm)	
	1½" (40 mm)	
	2" (50 mm)	
	3" (80 mm)	
	4" (100 mm)	
Accuracy (%):	±1%	
Repeatability:	Typically ± 0.03% of reading	
Material Housing:	Aluminum	
	316L Stainless Steel	
Fitting Type:	00	No fittings (025-100E)
	10	BSPP (G) female threaded (ISO 228)
	20	NPT female threaded
	40	ANSI-150 RF Flanged
	50	ANSI-300 RF Flanged (015-050)
	60	PN16 DIN Flanged
Flow Range:	(015) ½"	0.26-10.6 GPM (1-40 L/min)
	(025) 1"	2.6-40 GPM (10-150 L/min)
	(040) 1½"	4-66 GPM (15-250 L/min)
	(050) 2"	8-130 GPM (30-500 L/min)
	(080) 3"	10-200 GPM (35-750 L/min)
	(080E) 3"	13-260 GPM (50-1000 L/min)
	(100) 4"	20-400 GPM (75-1550 L/min)
	(100E) 4"	40-660 GPM (150-2500 L/min)
Recommended Filtration:	½", 1", 1½", 2"	100 mesh [150 µm]
	3" & 4"	40 mesh [350 µm]
Pressure Rating:	20-40 bar (285-580 psi) Size Dependent	
Operating Temperature:	5°F - 176°F (-15°C - 80°C)	

The **FLOMEC® Mechanical Flow Meter** provides precise volumetric flow measurement of clean liquids. Suitable for applications for safe area metering of lubricants, and other non-flammable viscous chemicals.

FEATURES / BENEFITS

- High accuracy oval gear technology with low pressure drop can be used in gravity-fed applications
- No requirement for flow conditioning or straight pipe runs makes them ideal for compact installations with limited space
- Robust aluminum mechanical registers
- Optional air eliminator/strainers

APPLICATIONS (Typical application but not limited to)

- Diesel fuel
- Biofuels
- Glycols / Anti-Freeze
- Lubricating oils and greases

APPROVALS / WARRANTY



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DIMENSIONS

Meter Size & Fitting		Dimension "A"	Dimension "B"	Dimension "C"
15	NPT	5.8 in. (14.7 cm)	7.3 in. (18.5 cm)	6.3 in. (16 cm)
25	NPT	6.9 in. (17.5 cm)	7.3 in. (18.5 cm)	7 in. (17.8 cm)
	ANSI Flange	9.3 in. (23.6 cm)	7.3 in. (18.5 cm)	8 in. (20.3 cm)
40	NPT	7.2 in. (18.3 cm)	7.4 in. (18.8 cm)	8.9 in. (20.6 cm)
	ANSI Flange	9.8 in. (24.9 cm)	7.4 in. (18.8 cm)	9.7 in. (24.6 cm)
50	NPT	8.3 in. (21.1 cm)	8.6 in. (21.8 cm)	9.3 in. (23.6 cm)
	ANSI Flange	10.9 in. (27.7 cm)	7.8 in. (19.8 cm)	10.4 in. (26.4 cm)
80	ANSI Flange	10.7 in. (27.2 cm)	7.8 in. (19.8 cm)	9.5 in. (24 cm)

*Maximum flow reduces as viscosity increases, see flow de-rating guide.
Max recommended Pressure drop is 14.5 psi (1 bar).

