



PRODUCT CONFIGURATION

PRODUCT IDENTIFIER **1**

OM = Oval Gear Meter

METER SIZE **2**

- 015** = 1/2 inch (15mm), 0.26-10.6 GPH (1-40 LPH)
- 025** = 1 inch (25mm), 2.6-40 GPH (10-150 LPH)
- 040** = 1.5 inch (40mm), 4-66 GPH (15-250 LPH)
- 050** = 2 inch (50mm), 8-130 GPH (30-50 LPH) PPS rotors
- 080** = 3 inch (80mm), 10-200 GPH (35-750 LPH)
- 080** = 3 inch Extended flow (80mm), 13-260 GPH (50-1000 LPH)
- 100** = 4 inch (100mm), 20-400 GPH (75-1550 LPH)

BODY MATERIAL **3**

- A** = Aluminum
- E** = Extended flow Aluminum (080E)
- S** = 316L Stainless Steel (0-15 - 080)

ROTOR MATERIAL **4**

- 0** = PPS
- 1** = Keishi cut PSS (for high viscosity liquids) / No bearing
- 5** = Stainless Steel (15 - 080) / Carbon Ceramic
- 7** = Keishi cut stainless steel (015 - 080) (for high viscosity liquids) / Carbon Ceramic

BEARING TYPE **5**

- 0** = No Bearing
- 0** = Keishi cut PSS (for high viscosity liquids) / No bearing
- 1** = Stainless Steel (15 - 080) / Carbon Ceramic
- 1** = Keishi cut stainless steel (015 - 080) (for high viscosity liquids) / Carbon Ceramic

O-RING MATERIAL **6**

- 1** = Viton™ 5°F min. (-15°C)
- 3** = Teflon encapsulated Viton™ 5°F min. (-15°C)
- 4** = Buna-N (Nitrile), -40° F minimum (-40° C)

MAXIMUM TEMPERATURE LIMIT **7**

- 8** = 176° F (80° C) max.
- 8** = 176° F (80° C) max.
- 8** = 176° F (80° C) max.
- 8** = 176° F (80° C) max.
- 8** = 176° F (80° C) max.
- 8** = 176° F (80° C) max.

OM SERIES MECHANICAL FLOWMETER

FLOMEC® OM-Series Mechanical Flowmeters

Volumetric flow measurement of clean liquids or low flows. For distribution of fuels, fuel oils, lubricants, alcohols, solvents, blending of bio and ethanol fuels, metering of chemicals, grease, adhesives, ink, insecticides and pumps or gravity fed non-conductive liquids.

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

PROCESS CONNECTIONS **8**

- 0** = No fittings (025-100)
- 10** = BSPP (G) female threaded
- 20** = NPT female threaded
- 40** = ANSI-150 RF Flanged
- 50** = ANSI-300 RF Flanged (015-050)
- 60** = PN16 DIN Flanged

MECHANICAL REGISTERS **9**

- M3** = 4 digit mechanical totalizer - liter
(**OM015-025**) (**OM40-100**)
[Totalizer capacities (9999.9 liter) (9999.9 liter)]
- M4** = 4 digit mechanical totalizer - U.S gallons
(**OM015-025**) (**OM40-100**)
[Totalizer capacities (9999.9 gal) (99999 gal)]
- V1** = 5 digit mechanical reset register - liter (050 - 100)
(**OM40-100**)
[Totalizer capacities (999999 liter)]

--->>>> **1 2 3 4 5 6 7 8 9**
OM + 100 + A + 5 + 1 + 1 + 8 + 10 +M3 = SAMPLE

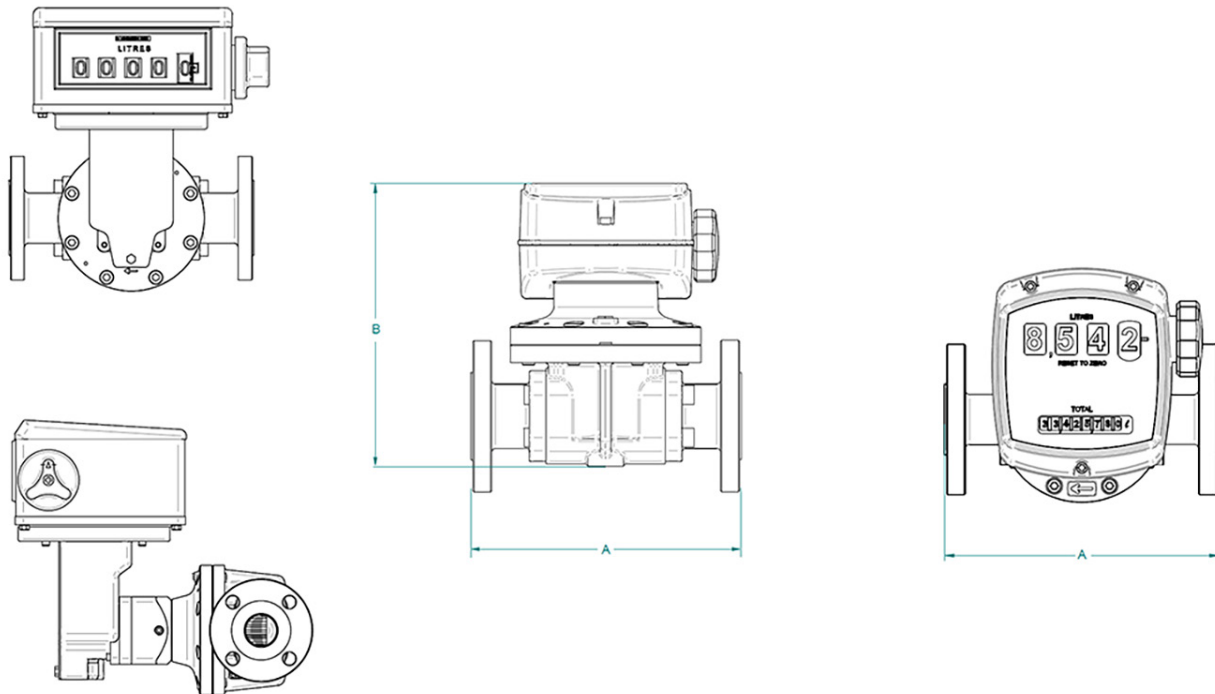
APPLICATIONS

- Automotive
- Aviation
- Mining
- Power
- Chemical
- Pharmaceutical
- Food
- Paint
- Petroleum Industries
- Environmental Applications

SPECIFICATIONS

	OM015	OM025	OM040	OM050	OM080	OM80E	OM100
Nominal Size:	1/2 in. [15mm]	1 in. [25mm]	1.5 in. [40mm]	2 in. [50mm]	3 in. [50mm]	3 in. [80mm]	4 in. [100mm]
Nominal Flow Range @ 3cP:	1 - 40 L/min	10-150 L/min	15-250 L/min	30- 500 L/min	35-750 L/min	50-1000 L/min	75-1550 L/min
	0.26-10.6 USG/min	2.6-40 USG/min	4-66 USG/min	8-130 USG/min	10-200 USG/min	13-260 USG/min	4-145 USG/min
Accuracy:	±1% of reading for M registers			±1% of reading for M registers (±0.5% for V registers)			
Repeatability:	Typically ± 0.03% of reading						
Ambient Temp. Range	-15°C -+80°C[+5°F-+176°]						
Max. Pressure - High pressure meter Bar [psi] (threaded)	40 [580]	40 [580]	30 [435]	20 [285]	12 [175]	12 [175]	10 [145]
M Register	4 digit resettable (IP65)						
V Register	n/a			5 digit resettable (IP54)			
Recommended Filtration:	100 mesh (150 microns)			40 mesh (350 microns)			
Face-to-Face Dimension A - Threaded	110mm	137mm Al	188mm	212mm	110mm	110mm	110mm
		176mm SS					
Face-to-Face Dimension B - Threaded	189mm	198 mm Al	252mm	277mm	354mm	382mm	388mm
		237 mm SS					
Meter based to register top dimension 8 (M)	178mm	188mm	227mm	237mm	270mm	288mm	333mm
Meter based to register top dimension 8 (V)	n/a	n/a	n/a	358mm	395mm	412mm	457mm
Meter Gap width	110mm	120mm	160mm	180mm	242mm	292mm	292mm

DIMENSIONS



Service & Warranty: For technical assistance, warranty replacement or repair contact your **FLOMEC®** or **GPI®** distributor: In North or South America: **888-996-3837 / flomec.net**
Outside North or South America: **+61 2 9540 4433 / flomec.net**