

OVAL GEARS FLOWMETERS 500 l/min Serie OG7



The rugged OG7 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 5 to 500 L/min on 30 cSt oil and 20 to 500 L/min on water like liquids. The standard inlet and outlet are 2" female threads. For OEM use other alternatives, including manifold mountings, are available. The standard model is 316 St St with Viton™ 'O' ring seal.

At the heart of the meter are a pair of toothed oval gears one of which contains chemically resistant magnets. Rotation is detected through the chamber wall by a Hall effect detector or a reed switch giving approximately 15 pulses per litre passed. The output is an NPN pulse or a voltage free contact closure either of which is readily interfaced with most electronic display or recording devices. This combination of materials and technology ensures a long life product with reliable, accurate operation throughout.



IDEAL FOR

- Engine test
- Oil flow
- High viscosity fluids
- OEM equipment
- Hazardous areas

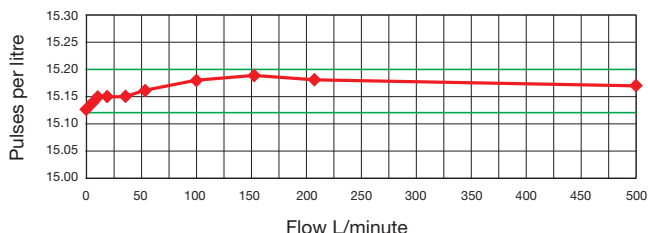


FEATURES

- Excellent chemical resistance
- Rugged construction
- Individual calibration
- High viscosity capability
- Low pressure loss
- No flow conditioning required
- Hall, reed switch or Namur sensor
- Accuracy 1.0% reading water
0.5% reading oil (30 cSt)

- ±0.5% reading *
 - 0.1% repeatability
 - IP67/NEMA 4 protection
- * When used with our metra-smart instrument

OG7 30cStk oil 'K' Factor vs Flow rate





Ordering codes

Model
OG7
Body material
S = 316 St St 50 bar std
Temp rating
S = 80°C / 158°F
T = 100°C / 212°F
U = 150°C / 300°F
Pressure rating
5 = 50 Bar 750 PSI
Seal Material
V = Viton®
N = Nitrile
E = EPDM
K = Kalrez
Detector Type
H = Hall effect
R = Reed Switch & Resistor
N = Namur
P = PTFE (50Bar max)
X = Reed Switch (Hazardous area)
Pipe Thread
D = 2" (OG7 std)
Connections
B = BSP F
N = NPT F
F = Flanged (specify)

e.g. **OG7-SS5-VHD-B** is a stainless steel meter rated at 80°C, 50 Bar, Viton™ seal, Hall effect detector and a 2" BSP thread.



TECHNICAL SPECIFICATIONS

Sample product codes →	Stainless standard OG7-SS5-VHD-B
Flow range – Water – 30 cSt Oil	20 - 500 L/min 5.0 - 500 L/min
Wetted mats – Body – Gears – Seal – Magnet	316 St St Carbon filled PEEK™ Viton™ Ceramic
Accuracy – Water – 30 cSt oil	± 1.0% Reading ± 0.5% Reading
Repeatability	± 0.1%
Detector Type	Hall effect
Terminations	P67
Approx 'K' factor – Pulses/Litre	15
Weight 50 Bar	12.0kg

