OG6 200L/Min Oval Gear Meter

The rugged OG6 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 2.0 to 200 L/Min on 30 Cstk oil and 10 to 200 L/min on water like liquids. The standard inlet and outlet are 1½" female threads. For OEM use 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, the gears rotate freely on robust bearings. Rotation is detected through the chamber wall by a Hall Effect detector or a reed switch giving approximately 21 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.

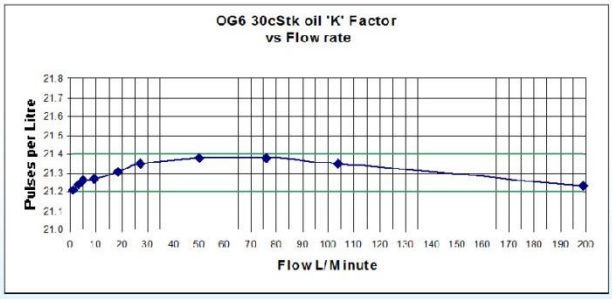
Features

- 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
- ±0.25% reading *
- 0.1% repeatability
- IP67/NEMA 4 protection
- Models to 400 Bar

* When used with our metra-smart instrument

Ideal for

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



OG6 200L/Min Oval Gear Meter

Order Codes

Model **OG6**

Body mat'l
- **S** - 316 St St 50 bar std
- A - Aluminium 10bar max

Temp rating
- **S** = 80°C / 158°F
- T = 100°C / 212°F
- U = 150°C / 300°F

Pressure Rating
- **5** - 50 Bar 750 PSI (St St)
- 1 - 10 Bar 150 PSI (Al)
- 4 - 400 Bar 5880 PSI (St St)

Seal material
- **V** - Viton™
- N - Nitrile
- E - EPDM
- K - Kalrez

Detector type
- **H** - Hall Effect
- R - Reed switch & Resistor
- N – Namur
- X – Reed switch

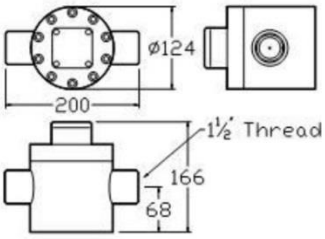
Pipe thread
- **P** - 1½" (OG6 std)

Connections
- **B** - BSP F
- N - NPT F
- F - Flanged (specify)

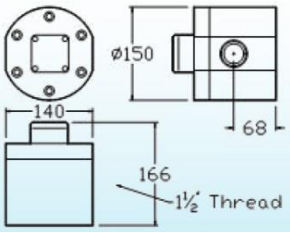
e.g. A stainless steel meter rated at 80°C, 50 Bar, with Viton™ seal, Hall effect detector and a 1½" BSP thread would have the order code:- **OG6-SS5-VHP-B**

Sample product codes ⇨	Stainless standard OG6-SS5-VHP-B	Aluminium standard OG6-AS1-VHP-B
Flow range - Water - 30 cSt Oil	10 - 200.0 LPM 2.0 - 200.0 LPM	10 - 200.0 LPM 2.0 - 200.0 LPM
Wetted mats - Body - Gears - Seal - Magnet	316 St St Carbon filled PEEK™ Viton™ Ceramic	Aluminium Carbon filled PEEK™ Viton™ Ceramic
Accuracy - Water - 30 cSt oil	± 1.0 % Reading ± 0.5% Reading	± 1.0 % Reading ± 0.5% Reading
Repeatability	± 0.1%	± 0.1%
Detector Type	Hall effect	Hall effect
Terminations	Terminal Block P69 cable gland	Terminal Block P69 cable gland
Approx 'K' factor - Pulses/Litre	21	21

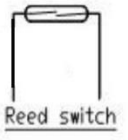
Weight in kg		
St St	- 50 Bar	8.000
Aluminium	- 10 Bar	6.000
St St	- 400 Bar	12.000

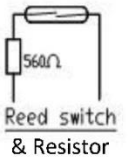


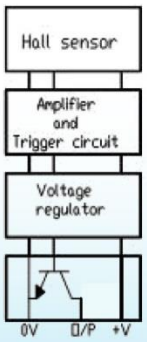
316 St St body



Aluminium body







Sensor block diagram

CACHÉ INSTRUMENTATION

+44 (0)1924 378844
sales@cacheuk.com