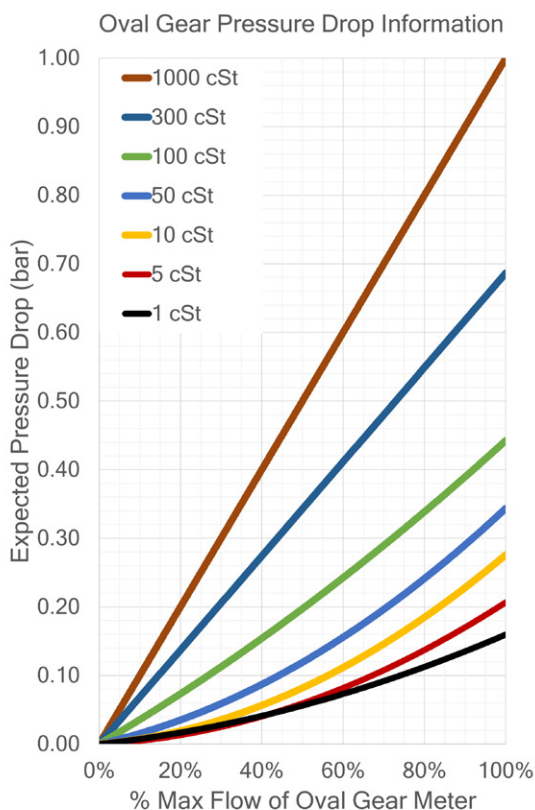




The rugged OG6 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 2.0 to 200 L/min on 30 cSt oil and 10 to 200 L/min on water-like liquids. The standard inlet and outlet are 1½" female threads. For OEMs, alternatives are available, including manifold mountings. The standard models are 316 St St or Aluminium with Viton™ 'O' ring seals.

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 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 options
- Low pressure drop
- No flow conditioning required
- Hall, reed switch or Namur sensor
- Accuracy 1.0% reading water  
0.5% reading oil (30 cSt)
- 0.1% repeatability
- IP65/NEMA 4 protection
- Models to 400 bar



### IDEAL FOR

- Engine test
- Oil flow
- High viscosity liquids
- OEM equipment
- Hazardous areas
- Batching



**TECHNICAL SPECIFICATIONS**

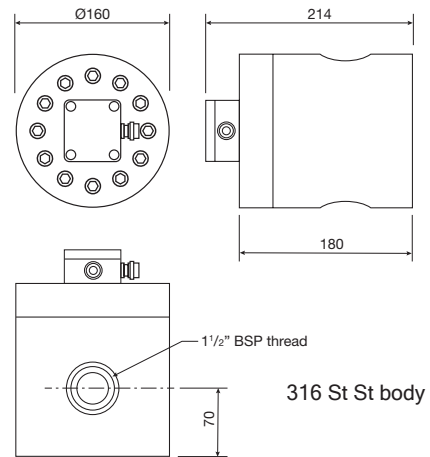
Sample product codes	Stainless standard OG6-SS5-VHP-B	Aluminium standard OG6-AS1-VHP-B
Flow range	- Water - 30 cSt Oil	10 - 200 L/min 2.0 - 200 L/min
Wetted materials	- Body - Gears  - Seal - Magnet - Spindles	316 St St Carbon filled PEEK Viton™ PTFE St St
Accuracy	- Water - 30 cSt oil	± 1.0% Reading ± 0.5% Reading
Repeatability		± 0.1%
Detector Type		Hall effect
Terminations		Terminal block P65 cable gland
Approx 'K' factor (Pulses/Litre)		21
Viscosity Range^		1-1000 cSt

^ High viscosity (above 1000 cSt) options available

**Ordering Codes**

<b>Model</b>
<b>OG6</b>
<b>Body Material</b>
S = 316 St St 50 bar std
A = Aluminium 10 bar max
<b>Temp Rating</b>
S = 80°C / 158°F
T = 100°C / 212°F
U = 150°C / 300°F
<b>Pressure Rating</b>
5 = 50 bar 750 PSI (St St)
1 = 10 bar 150 PSI (Al)
4 = 400 bar 5880 PSA (St St)
<b>Seal Material</b>
V = Viton™
N = Nitrile
E = EPDM
P = PTFE (50 bar max)
K = Kalrez®
<b>Detector Type</b>
H = Hall effect
R = Reed switch & Resistor
N = Namur
X = Reed switch (hazardous area)
<b>Process Fitting Size</b>
P = 1 1/2" (OG6 std)
<b>Process Fitting Type</b>
B = BSP F
N = NPT F

e.g. **OG6-SS5-VHP-B** is a stainless steel meter rated at 80°C, 50 bar, Viton™ seal, Hall effect detector and a 1 1/2" BSP thread.



Weight (kg)		
St St	50 bar	8.000
AL	10 bar	6.000
St St	400 bar	12.000