

OG6 - 200 L/MIN OVAL GEAR DATA SHEET

- Excellent chemical resistance
- Rugged construction
- Individual calibration
- High viscosity capability
- Low pressure loss
- No flow conditioning required
- Compact meter assembly
- Hall, reed or Namur sensor
- Accuracy 1.0% reading H₂O
- 0.5% reading oil
- ±0.25% reading*
- 0.1% repeatability
- IP67/NEMA 4 protection
- Models to 400 Bar
- Non-metallic option
- * When used with our metra-smart instrument

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

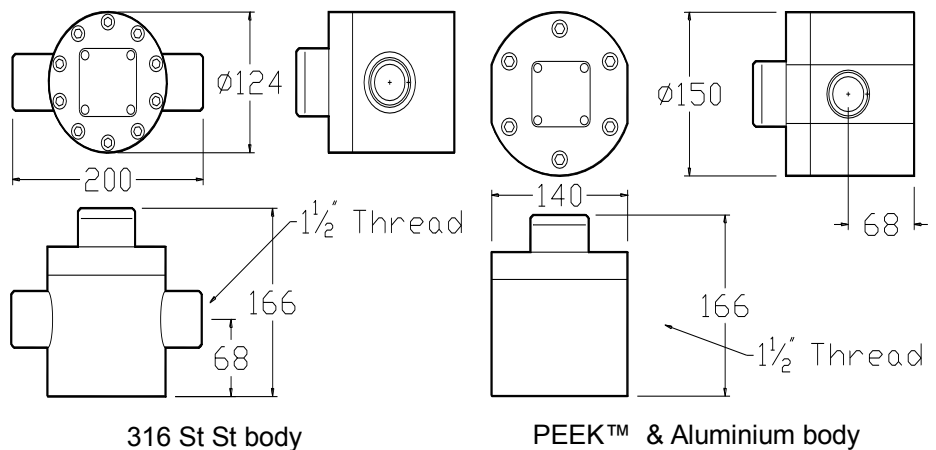


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The rugged OG6 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 2 to 200 L/Min on 30 Cstk oil and 10 to 200 L/min on water like liquids. It can have totally non-metallic wetted components, PEEK™, ceramic and an elastomer which makes this the ideal choice for the metering of aggressive chemicals. The standard inlet and outlet are 3/4" BSP female threads. For OEM use alternatives, including manifold mountings, are available. The standard model is 316 St St with Vi-



Order Codes

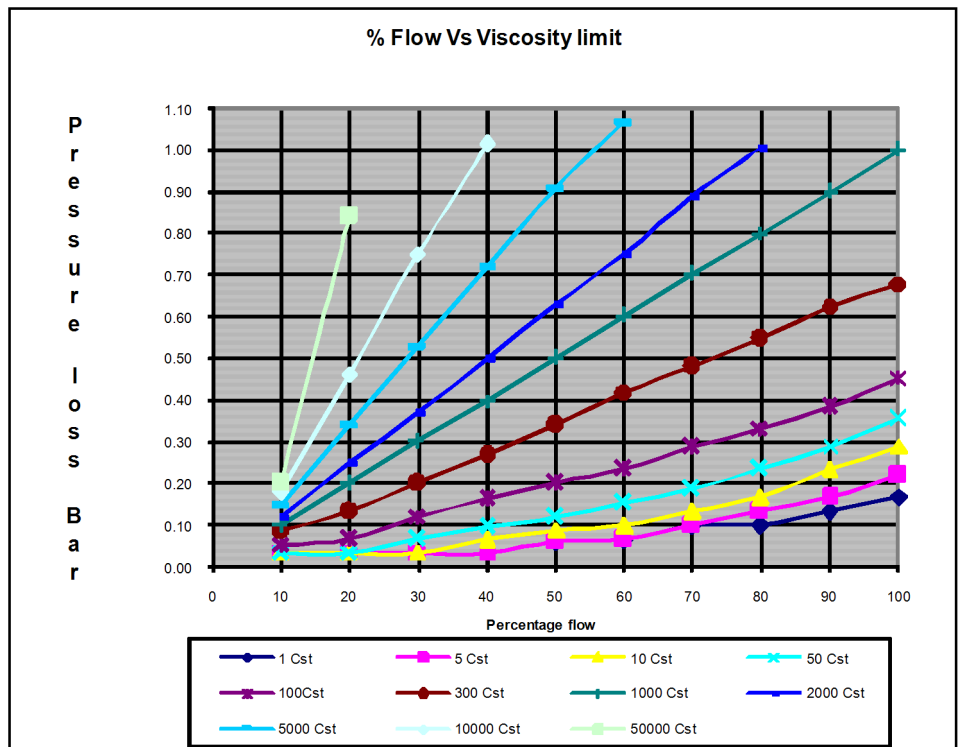
- Body** **OG6-S** 316 Stainless Steel
- Type** OG6-A Aluminum body
OG6-P PEEK body
- Temp rating** **S** 80°C
T 100°C
U 150°C
- Pressure rating** **5** 50 Bar (St St standard)
1 10 Bar (Alu & PEEK std.)
4 400 Bar (St St only)
- 'O' ring Mat'l** **V** - Viton
N - Nitrile
E - EPDM
K - Silicon
- Detector Type** **H** Hall effect
R Reed switch
N Namur
- Pipe thread size** **U** - 1"
P - 1 1/2"
D - 2"
- Conn- ections** **B** - BSP F
N - NPT F
F - Flanged
(specify)

e.g. **OG6-S S 5 - V H P-B** is a standard flowmeter with a flow range of 10 to 200 L/Min, 316 stainless steel body, 50 Bar pressure rating, Viton seal, Hall effect detector and 1 1/2" BSP female fittings with a standard 6 point traceable water calibration.

Standard Materials of Construction

- Body and cap - 316 St St
PEEK
Aluminium
- 'O' Ring - Viton
- Gears - PEEK
- Magnets - Ceramic

		Stainless std.	Aluminium std.
Sample product codes ⇒		OG6-SS5-VHP-B	OG6-AS1-VHP-B
Flow range	- Water	10 - 200 LPM	10 - 200 LPM
	- 30 cSt Oil	2-200LPM	2-200LPM
Wetted materials - Body		316 Stainless steel	Aluminium
	- Gears	PEEK™	PEEK™
	- Seal	Viton™	Viton™
	- Magnet	Ceramic	Ceramic
Standard pressure rating		50 Bar	10 Bar
Accuracy	- Water	± 1.0 % Reading	± 1.0 % Reading
	- 30 cSt oil	± 0.5% Reading	± 0.5% Reading
Repeatability		± 0.1%	± 0.1%
Detector type		Hall effect	Hall effect
Terminations		Cable gland	Cable gland
Approximate 'K' factor - Pulse/L		21	21



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, Namur sensor 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.

