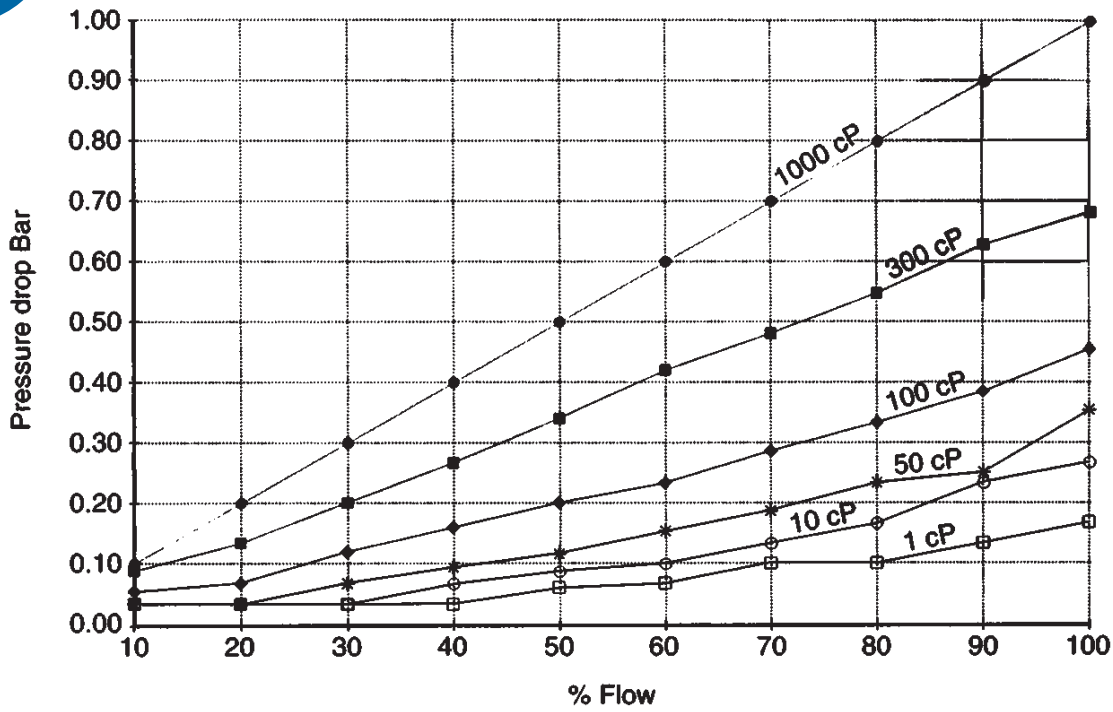
OG Series Introduction

For high accuracy use or with high viscosity fluids.

- **Positive displacement**
- **Pressures up to 670 bar**
- **Viscosities -1 to 10,000 cP**
- **Low pressure loss**
- **0.1% Repeatability**
- **Flows from 1ml/min (150cP)**
- **Wide rangeability**
- **Inherently linear**
- **Hazardous area versions**
- **Temp to 200°C (70°C std.)**
- **Reed switch or Hall effect**
- **0.25, 0.5 and 1% accuracies**
- **Excellent chemical resistance**
- **Compact design**
- **Choice of materials**
- **Bi-directional**
- **Up to 500 l/min**

Model	Flow Range l/min water	Std. Fittings	Pulses/ltr	Accuracy	Std. Dimensions
OG1	0.05 - 1	1/4" BSPF	2000	1%	40L x 40W x 40H
OG2	0.2 - 4	1/4" BSPF	1000	1%	40L x 40W x 40H
OG3	0.5 - 10	3/4" BSPF	400	1%	70L x 50W x 60H
OG4	2.5 - 50	3/4" BSPF	100	0.5%	70L x 75W x 75H
OG5	5.0 - 100	1" BSPF	72	0.5%	96 Dia. x 86H
OG6	12.5 - 250	1 1/2" BSPF	30	0.5%	145 Dia. x 135H
OG7	25 - 500	2" BSPF	15	0.5%	200L x 145W x 195H

Maximum/minimum flow rates are dependant on viscosity - for more information contact our sales office. The chart above is for standard configurations; alternative end fittings and body sizes are available, we can even match your installation requirements i.e. manifold fittings or sizes to replace a redundant flowmeter.



Higher viscosities may be accommodated but the flow range must be reduced e.g. for a viscosity of 2000 cP the maximum flow would be restricted to 80% of the full flow and for 10000 - 40% of full flow.

Oval gear meters order codes and example, OG3-6-S-2HM-V-50

Meter Range	Body Material	Temp	Pressure	Detector	Connector	Seal	Process Connections
OG1	0=Special	**S=70°C**	**2=20 Bar**	**H=Hall**	**M=MIL**	**V=Viton**	25=1/4" BSPF
OG2	**6=316 St/St**	T=100°C	5=50 Bar	R=Read	MP=4 Pin M12	N=Nitrile	**50=1/2" BSPF**
OG3	7=Aluminium	U=150°C	1=100 Bar	O=Special	B=IP65 box	E=EPDM	75=3/4" BSPF
OG4	8=Brass	V==200°C	4=400 Bar		C=Contrec	K=Kalrez	10=1" BSPF
OG5	9=PEEK		7=700 Bar		Adaptor	O=Special	12=1 1/4" BSPF
OG6	PEEK gears as				O=Special		15=1 1/2" BSPF
OG7	standard						F=Flange
							Please specify

The above order code breakdown emphasises the flexibility of our products. The previous chart shows our standard fittings for the various size meters but any meter can have any size or type of process connection. For example, an OG1 running at 0.1 litres per minute could have 2" 600lb flanges. our standard gear material is carbon filled PEEK, which is a high-grade engineering plastic with exceptional tribology characteristics, very good chemical resistance and excellent high temperature properties. Where the standard PEEK gear and magnet configuration is not acceptable, we offer alternative gear materials with encapsulate magnets.