

FEATURES

- Excellent chemical resistance
- Rugged construction
- High viscosity capability
- Low-pressure loss
- Compact meter assembly

RS PRO Oval Gear Flow Meter, 0.01 L/min → 1 L/min

RS Stock No.: 447-4427



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This compact rugged oval gear flowmeter is designed to give high performance with a low cost of ownership. The meters cover flow ranges from 0.01 L/min to 1.0 L/min on 30 cSt oil and 0.1 L/min to 1.0 L/min on water like liquids. It can have non-metallic wetted components, PEEK, ceramic and an elastomer which makes the oval gear the ideal choice for the metering of aggressive chemicals. For OEM use alternatives, including manifold mountings, are available

General Specifications

Device Type	Oval Gear
Media Monitored	Liquid
Minimum Flow Rate	0.01l/min
Maximum Flow Rate	1l/min
Maximum Pressure	50bar
Material	Stainless steel
Applications	Washing machines, Showers, Dishwashers, Beverage dispensers, Water treatment Cooling systems

Electrical Specifications

Supply Voltage	5VDC to 24VDC
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Mechanical Specifications

Connection Type	1/4 BSP
Pipe Diameter Range	1/4 in



Ordering codes

Model

OG1

Body material

S = 316 St St 50 bar std

P= PEEKTM 10 Bar max

H= Hastelloy C

Temperating

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 / PEEKTM)

4 = 400 Bar 5880 PSI (St St)

7 = 700 Bar 10150 PSI (St St)

Seal Material

V = Viton[®]

N = Nitrile

E = EPDM

P = PTFE (50 Bar max)

K = Kalrez

Detector Type

H = Hall effect

R = Reed switch & Resistor

N = Namur

X = Reed switch (Hazardous area)

Pipe Thread

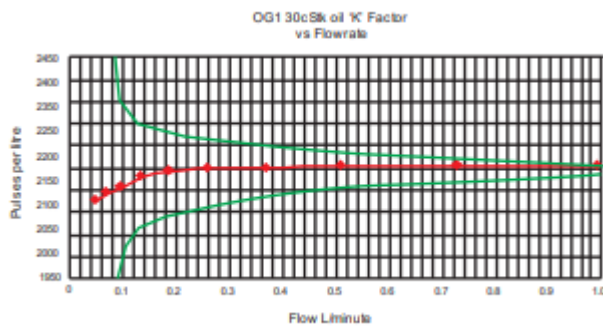
Q = 1/4" (OG1std)

Connections

B = BSPF

N = NPTF

F = Flanged (specify)



Sample product codes =	Stainless standard OG1-SS5VHQ-B	PEEK™ OG1-PS1VHQ-B
Flow range	-Water -30 cSt Oil 01 - 10 L/min 001 - 10 L/min	01 - 10 L/min 001 - 10 L/min
Wetted parts	-Body -Gears -Seal -Magnet 316 S.S. Carbon filled PEEK™ Viton™ Ceramic	PEEK™ Carbon filled PEEK™ Viton™ Ceramic
Accuracy	-Water -30 cSt oil ± 10% Reading ± 0.75% Reading	± 10% Reading ± 0.75% Reading
Repeatability	± 0.1%	± 0.1%
Detector Type	Hall effect	Hall effect
Terminators	M12 instrument socket	M12 instrument socket
Approx 'K' factor - Pulses/Litre	2000	2000

