The compact rugged OG4 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 0.25 to 50 L/min on 30 cSt oil and 2.5 to 50 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 ¾” 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 115 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.
OG4 50L/Min Oval Gear Meter

Ordering codes

Model
OG4

Body material
- S = 316 St St 50 Bar std
- A = Aluminium 10 Bar max
- P = PEEK 10 Bar max
- H = Hastelloy C

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 / PEEK)
- 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
- T = 3/4" (OG4 std)

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

TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>Sample product codes</th>
<th>Stainless standard</th>
<th>Aluminium standard</th>
<th>PEEK standard</th>
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<tbody>
<tr>
<td>OG4-SSS-VHT-B</td>
<td>OG4-AS1-VHT-B</td>
<td>OG4-PS1-VHT-B</td>
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<tr>
<td>Flow range – Water</td>
<td>2.5 - 50 L/min</td>
<td>2.5 - 50 L/min</td>
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<td>– 30 cSt Oil</td>
<td>0.25 - 50 L/min</td>
<td>0.25 - 50 L/min</td>
<td>0.25 - 50 L/min</td>
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<td>Wetted mats – Body</td>
<td>316 St St Carbon filled PEEK PEEK PEEK</td>
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<tr>
<td>– Gears</td>
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<td>Viton® Ceramic</td>
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<td>– Seal</td>
<td>Hall effect</td>
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<tr>
<td>– Magnet</td>
<td>Hall effect</td>
<td>Hall effect</td>
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<tr>
<td>Accuracy – Water</td>
<td>± 1.0% Reading</td>
<td>± 1.0% Reading</td>
<td>± 1.0% Reading</td>
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<tr>
<td>– 30 cSt oil</td>
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<td>± 0.5% Reading</td>
<td>± 0.5% Reading</td>
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<tr>
<td>repeatsibility</td>
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<td>± 0.1%</td>
<td>± 0.1%</td>
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<td>Detector Type</td>
<td>Hall effect</td>
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<td>Approx ‘K’ factor</td>
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</tbody>
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Reed switch ‘X’

Reed switch & Resistor ‘R’

4 PIN M12 connector

For reference only; for latest information contact your local distributor.

TITAN ENTERPRISES LTD.
Coldharbour Business Park, Sherborne, Dorset DT9 4JW
Tel: (44) 01935 812790
Email: sales@flowmeters.co.uk
www.flowmeters.co.uk

OG4-SSS-VHT-B is a stainless steel meter rated at 80°C, 50 Bar, Viton® seal, Hall effect detector and a 3/4" BSP thread.

Weight (kg)

<table>
<thead>
<tr>
<th></th>
<th>St St</th>
<th>PEEK</th>
<th>Aluminium</th>
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<tr>
<td>50 Bar</td>
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<td>400 Bar</td>
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