

Metra-Flow OG1

Metra-flow OG1 1 L/Min oval gear meter

- Excellent chemical resistance
- Rugged construction
- Individual calibration
- High viscosity capability
- Low pressure loss
- No flow conditioning required
- Compact meter assembly
- Hall or reed switch sensor
- Accuracy 1.0% FSD water
0.5% FSD oil
- ±0.5% reading *
- 0.1% repeatability
- IP67/NEMA 4 protection
- Models to 400 Bar
- Non-metallic option

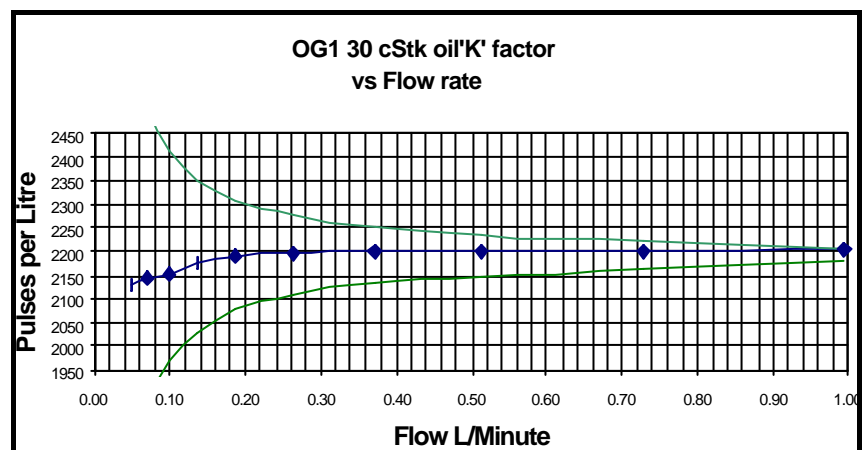
* When used with our metra-smart instrument

Ideal for

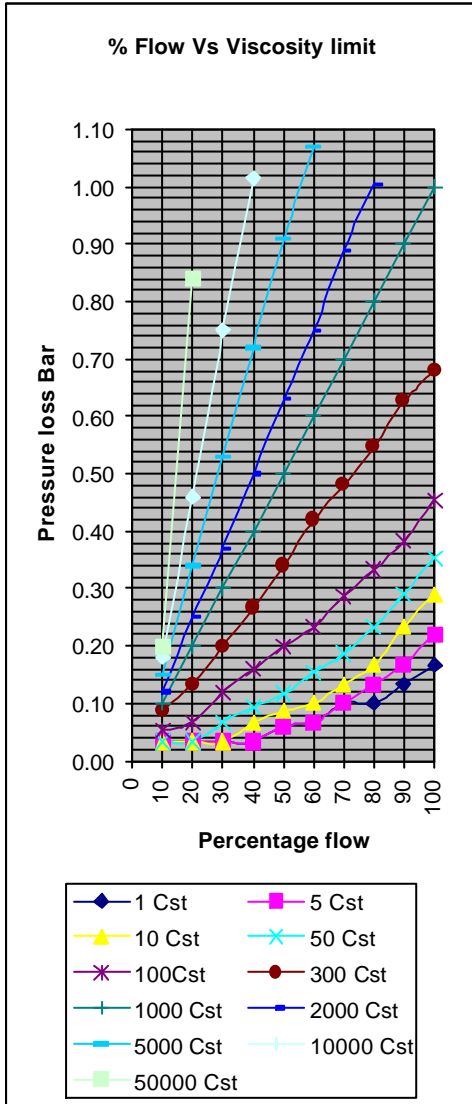
- ◆ Engine test
- ◆ Oil flow
- ◆ High viscosity fluids
- ◆ OEM equipment



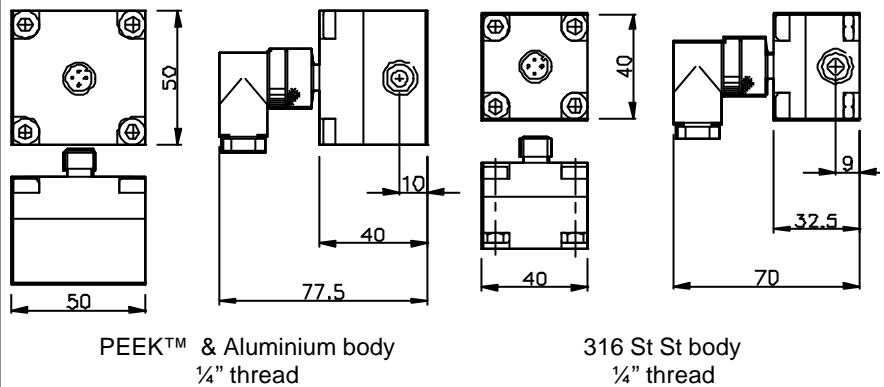
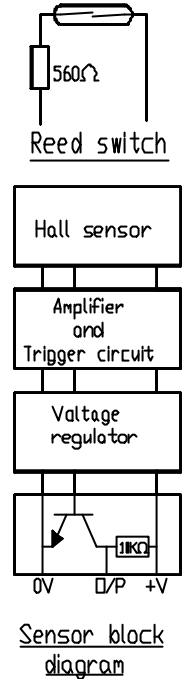
The compact rugged OG1 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 0.01 to 1 L/Min on 30 Cstk oil and 0.1 to 1.0 L/min on water like liquids. It can have totally non-metallic wetted components, PEEK™, ceramic and an elastomer which makes this the ideal choice for the metering of aggressive chemicals. The standard inlet and outlet are ¼” female threads. For OEM use alternatives, including manifold mountings, are available. The standard model is 316 St St with Viton™ ‘O’ ring seal.



Sample product codes →	Stainless standard OG1-SS5-VHQ-B	Aluminium standard OG1-AS1-VHQ-B	PEEK Standard OG1-PS1-VHQ-B
Flow range	0.1– 1.0 LPM 0.01-1.0LPM	0.1– 1.0 LPM 0.01-1.0LPM	0.1– 1.0 LPM 0.01-1.0LPM
Wetted materials - Body	316 Stainless steel	Aluminium	PEEK™
- Gears	Carbon filled PEEK™	Carbon filled PEEK™	Carbon filled PEEK™
- Seal	Viton™	Viton™	Viton™
- Magnet	Ceramic	Ceramic	Ceramic
Accuracy	± 1.0 % FSD	± 1.0 % FSD	± 1.0 % FSD
- Water	± 0.75% FSD	± 0.75% FSD	± 0.75% FSD
- 30 cSt oil	± 0.1%	± 0.1%	± 0.1%
Repeatability	Hall effect	Hall effect	Hall effect
Detector type	M12 instrument socket	M12 instrument socket	M12 instrument socket
Terminations	2050	2050	2050
Approximate 'K' factor - Pulses/Litre			



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 2050 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.



Model	Body material	Temp rating	Pressure rating	Seal material	Detector type	Pipe thread	Connections	Display mounting options		
OG1	OG1	316 St St 50 Bar std	S 80°C 158°F	S 50 Bar 750 PSI	5 Viton	V Hall effect	H 1/4" (OG1&2 standard)	Q BSP F	B Rate & Total on meter	C
		Aluminium 10 Bar max	A 100°C 212°F	T 10 Bar 150 PSI	1 Nitrile	N Reed switch	R ½" (OG3 Standard)	H NPT F	N Rate & total Ex on meter	E
		PEEK™ 10 Bar max	P 150°C 300°F	U 400 Bar 5880 PSI	4 EPDM	E Kalrez	K 3/4" (OG4 standard)	T Flanged (specify)	F Rate & Total plus 4-20mA	U
							1" (OG5 standard)	U	Rate & total + 4-20mA Ex	X
							1 1/2" (OG6 standard)	P	Metra-Batch on meter	B
							2" (OG7 standard)	D	Metra-Batch remote	R

A stainless steel meter rated at 80°C, 50 Bar, with Viton™ seal, Hall effect detector and a ¼" BSP thread would have the order code :-OG1-SS5-VHQ-B

Metra-Flow OG2

Metra-flow OG2 4 L/Min oval gear meter

- Excellent chemical resistance
- Rugged construction
- Individual calibration
- High viscosity capability
- Low pressure loss
- No flow conditioning required
- Compact meter assembly
- Hall or reed switch sensor
- Accuracy 1.0% FSD water,
0.5% FSD oil
- $\pm 0.5\%$ reading *
- 0.1% repeatability
- IP67/NEMA 4 protection
- Models to 400 Bar
- Non-metallic option

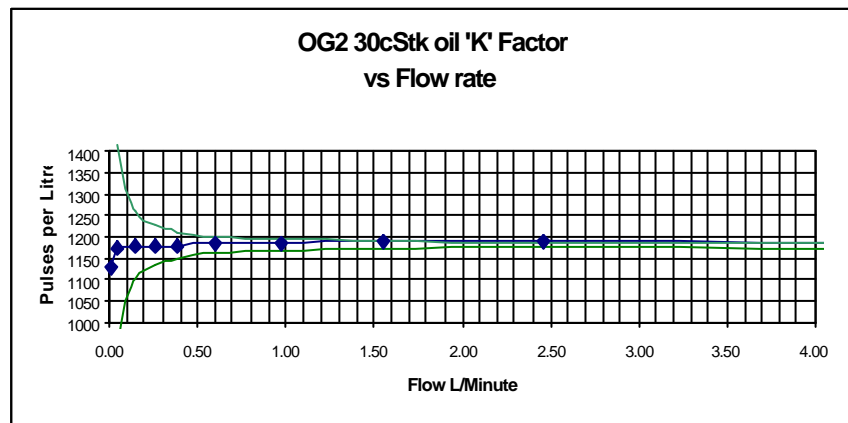
* When used with our metra-smart instrument

Ideal for

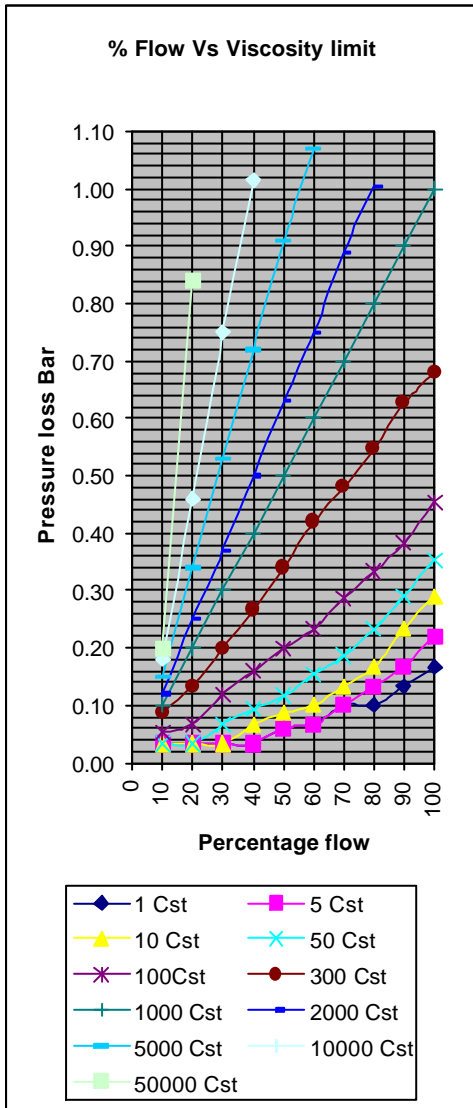
- ◆ Engine test
- ◆ Oil flow
- ◆ High viscosity fluids
- ◆ OEM equipment



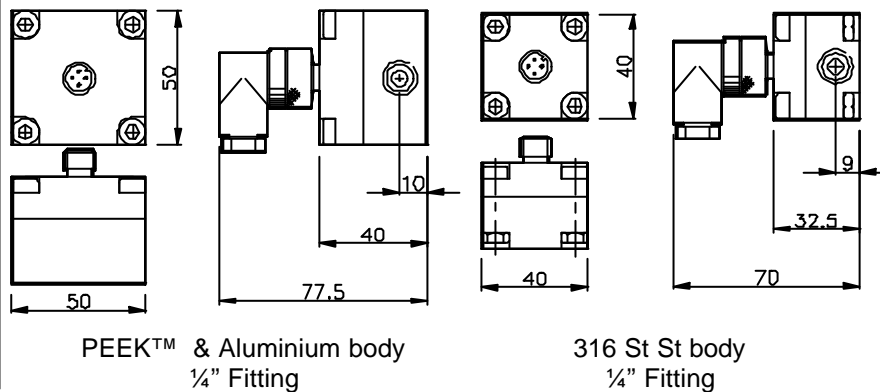
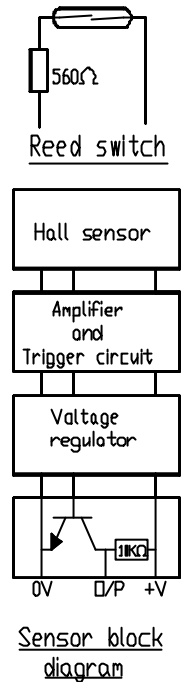
The compact rugged OG2 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 0.03 to 4 L/Min on 30 Cstk oil and 0.15 to 4 L/min on water like liquids. It can have totally non-metallic wetted components, PEEK™, ceramic and an elastomer which makes this the ideal choice for the metering of aggressive chemicals. The standard inlet and outlet are ¼” female threads. For OEM use alternatives, including manifold mountings, are available. The standard model is 316 St St with Viton™ ‘O’ ring seal.



Sample product codes →	Stainless standard OG2-SS5-VHQ-B	Aluminium standard OG2-AS1-VHQ-B	PEEK Standard OG2-PS1-VHQ-B
Flow range - Water - 30 cSt Oil	0.15– 4.0 LPM 0.03-4.0LPM	0.15– 4.0 LPM 0.03-4.0LPM	0.15– 4.0 LPM 0.03-4.0LPM
Wetted materials - Body - Gears - Seal - Magnet	316 Stainless steel Carbon filled PEEK™ Viton™ Ceramic	Aluminium Carbon filled PEEK™ Viton™ Ceramic	PEEK™ Carbon filled PEEK™ Viton™ Ceramic
Accuracy - Water - 30 cSt oil	± 1.0 % FSD ± 0.5% FSD ± 0.1%	± 1.0 % FSD ± 0.5% FSD ± 0.1%	± 1.0 % FSD ± 0.5% FSD ± 0.1%
Repeatability	Hall effect	Hall effect	Hall effect
Detector type	M12 instrument socket	M12 instrument socket	M12 instrument socket
Terminations			
Approximate 'K' factor - Pulses/Litre	1100	1100	1100



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 1100 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.



Model	Body material	Temp rating	Pressure rating	Seal material	Detector type	Pipe thread	Connections	Display mounting options
OG2 OG2	316 St St 50 Bar std	80°C 158 F S	50 Bar 750 PSI 5	Viton V	Hall effect H	1/4"(OG1&2 standard) Q	BSP F B	Rate & Total on meter C
	Aluminium 10 Bar max	100°C 212°F A	10 Bar 150 PSI 1	Nitrile N	Reed switch R	1/2" (OG3 Standard) H	NPT F N	Rate & total Ex on meter E
	PEEK™ 10 Bar max	150°C 300°F P	400 Bar 5880 PSI 4	EPDM E Kalrez K		3/4" (OG4 standard) T 1" (OG5 standard) U 11/2" (OG6 standard) P 2" (OG7 standard) D	Flanged (specify) F	Rate & Total plus 4-20mA Ex U Rate & total + 4-20mA Ex X Metra-Batch on meter B Metra-Batch remote R

A stainless steel meter rated at 80°C, 50 Bar, with Viton™ seal, Hall effect detector and a 1/4" BSP thread would have the order code :-OG5-SS5-VHQ-B

Metra-Flow OG3

Metra-flow OG3 10 L/Min oval gear meter

- Excellent chemical resistance
- Rugged construction
- Individual calibration
- High viscosity capability
- Low pressure loss
- No flow conditioning required
- Compact meter assembly
- Hall or reed switch sensor
- Accuracy 0.5% FSD water,
1.0% reading oil
- ±0.5% reading *
- 0.1% repeatability
- IP67/NEMA 4 protection
- Models to 400 Bar
- Non-metallic option

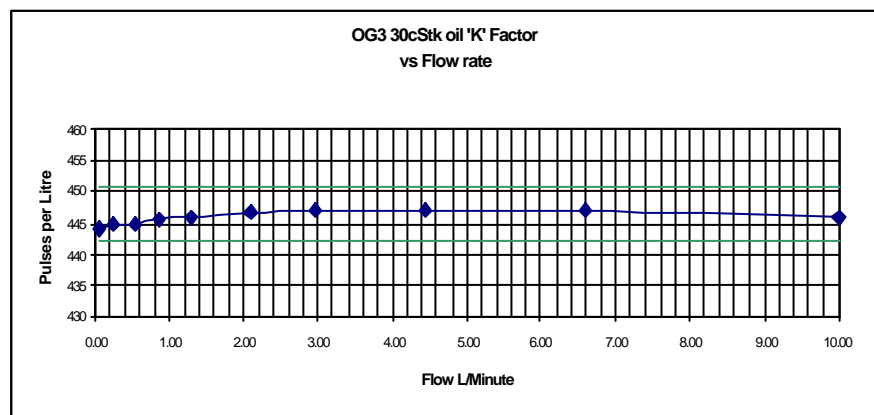
* When used with our metra-smart instrument

Ideal for

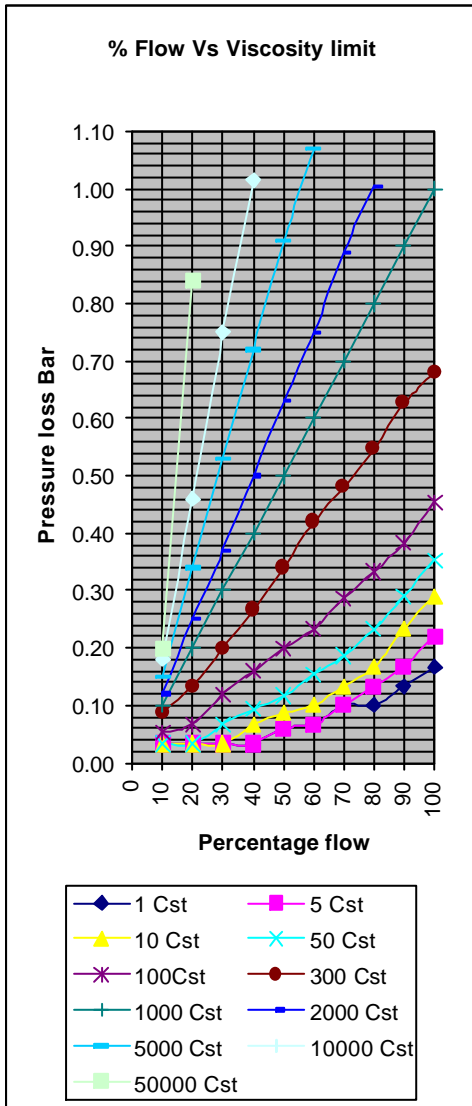
- ◆ Engine test
- ◆ Oil flow
- ◆ High viscosity fluids
- ◆ OEM equipment



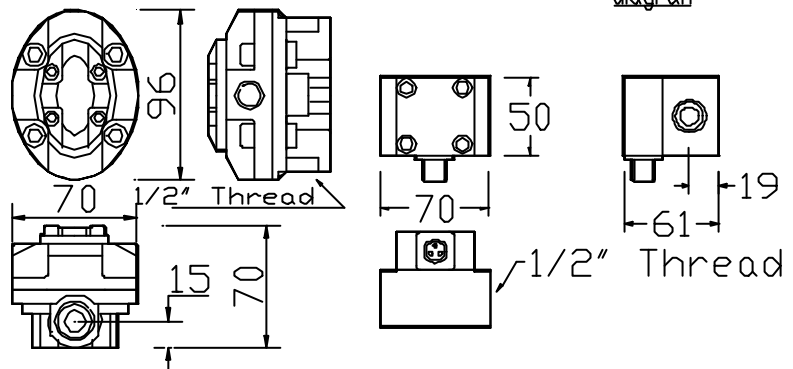
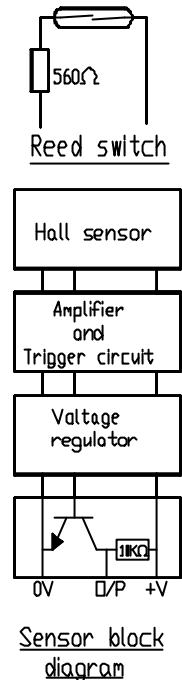
The compact rugged OG3 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 0.05 to 10 L/Min on 30 Cstk oil and 0.5 to 10 L/min on water like liquids. It can have totally non-metallic wetted components, PEEK™, ceramic and an elastomer which makes this the ideal choice for the metering of aggressive chemicals. The standard inlet and outlet are ½” female threads. For OEM use alternatives, including manifold mountings, are available. The standard model is 316 St St with Viton™ ‘O’ ring seal.



Sample product codes	Stainless standard OG3-SS5-VHH-B	Aluminium standard OG3-AS1-VHH-B	PEEK Standard OG3-PS1-VHH-B
Flow range	0.5 - 10.0 LPM - 10.0 LPM	0.5- 10.0 LPM 0.05-10.0 LPM	0.5- 10.0 LPM 0.05-10.0 LPM
Wetted materials - Body	316 Stainless steel	Aluminium	PEEK™
- Gears	Carbon filled PEEK™	Carbon filled PEEK™	Carbon filled PEEK™
- Seal	Viton™	Viton™	Viton™
- Magnet	Ceramic	Ceramic	Ceramic
Accuracy	± 0.5 % FSD	± 0.5 % FSD	± 0.5 % FSD
- Water	± 1.0% Reading	± 1.0% Reading	± 0.5% FSD
- 30 cSt oil	± 0.1%	± 0.1%	± 0.1%
Repeatability	Hall effect	Hall effect	Hall effect
Detector type	Via M20 cable gland	MIL style instrument socket	MIL style instrument socket
Terminations			
Approximate 'K' factor - Pulses/Litre	400	400	400



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 400 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.



Model	Body material	Temp rating	Pressure rating	Seal material	Detector type	Pipe thread	Connections	Display mounting options
OG3 OG3	316 St St 50 Bar std	S 80°C 158°F	S 50 Bar 750 PSI	Viton V	Hall effect H	1/4" (OG1&2 standard) Q	BSP F B	Rate & Total on meter C
	Aluminium 10 Bar max	A 100°C 212°F	1 10 Bar 150 PSI	Nitrile N	Reed switch R	1/2" (OG3 Standard) H	NPT F N	Rate & total Ex on meter E
	PEEK™ 10 Bar max	P 150°C 300°F	4 400 Bar 5880 PSI	EPDM E		3/4" (OG4 standard) T	Flanged (specify) F	Rate & Total plus 4-20mA U
				Kalrez K		1" (OG5 standard) U		Rate & total + 4-20mA Ex X
						1 1/2" (OG6 standard) P		Metra-Batch on meter B
						2" (OG7 standard) D		Metra-Batch remote R

A stainless steel meter rated at 80°C, 50 Bar, with Viton™ seal, Hall effect detector and a 1/2" BSP thread would have the order code :-OG3-SS5-VHH-B

Metra-Flow OG4

Metra-flow OG4 50 L/Min oval gear meter

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

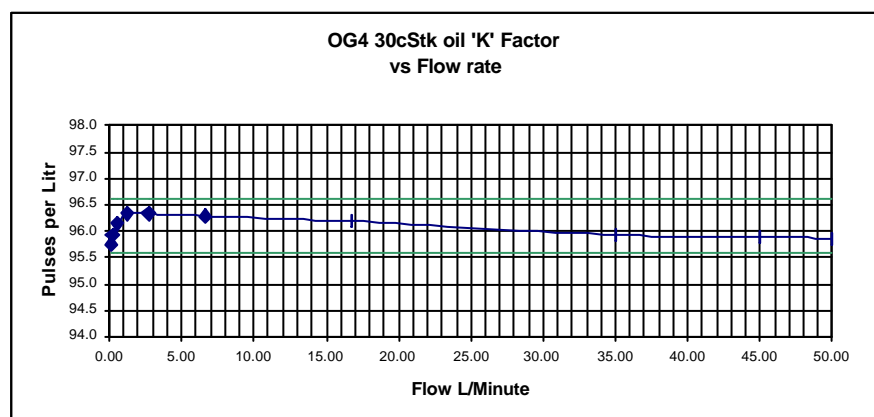
* When used with our metra-smart instrument

Ideal for

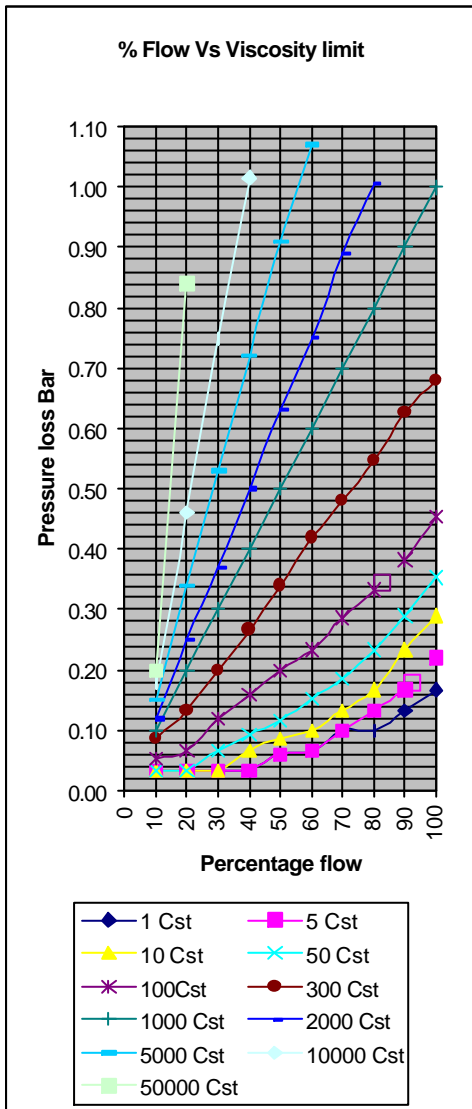
- ◆ Engine test
- ◆ Oil flow
- ◆ High viscosity fluids
- ◆ OEM equipment



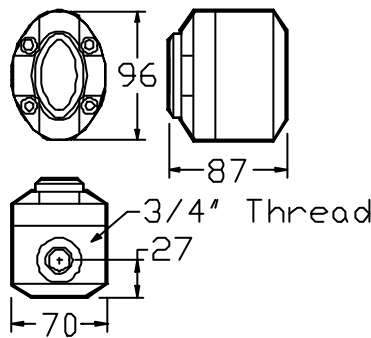
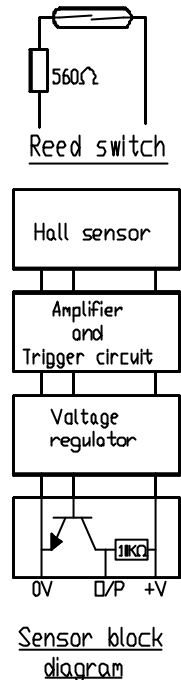
The compact rugged OG4 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 0.25 to 50 L/Min on 30 Cstk oil and 2.5 to 50 L/min on water like liquids. It can have totally non-metallic wetted components, PEEK™, ceramic and an elastomer 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.



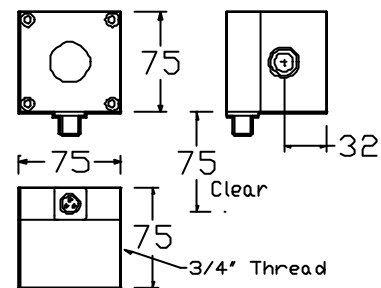
Sample product codes	Stainless standard OG4-SS5-VHT-B	Aluminium standard OG4-AS1-VHT-B	PEEK Standard OG4-PS1-VHT-B
Flow range	2.5 - 50.0 LPM 0.25 - 50 LPM	2.5 - 50.0 LPM 0.25 - 50 LPM	2.5 - 50.0 LPM 0.25 - 50 LPM
Wetted materials - Body	316 Stainless steel	Aluminium	PEEK™
- Gears	Carbon filled PEEK™	Carbon filled PEEK™	Carbon filled PEEK™
- Seal	Viton™	Viton™	Viton™
- Magnet	Ceramic	Ceramic	Ceramic
Accuracy	± 1.0 % Reading ± 0.5% Reading	± 1.0 % Reading ± 0.5% Reading	± 0.5 % FSD ± 0.5% FSD
Repeatability	± 0.1%	± 0.1%	± 0.1%
Detector type	Hall effect	Hall effect	Hall effect
Terminations	Via M20 cable gland	MIL style instrument socket	MIL style instrument socket
Approximate 'K' factor - Pulses/Litre	100	100	100



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 100 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.



316 St St body



PEEK™ & Aluminium body

Model	Body material	Temp rating	Pressure rating	Seal material	Detector type	Pipe thread	Connections	Display mounting options
OG4 OG4	316 St St 50 Bar std	80°C 158°F S	50 Bar 750 PSI 5	Viton V	Hall effect H	1/4" (OG1&2 standard) Q	BSP F B	Rate & Total on meter C
	Aluminium 10 Bar max	100°C 212°F A	10 Bar 150 PSI 1	Nitrile N	Reed switch R	1/2" (OG3 Standard) H	NPT F N	Rate & total Ex on meter E
	PEEK™ 10 Bar max	150°C 300°F P	400 Bar 5880 PSI 4	EPDM E		3/4" (OG4 standard) T	Flanged (specify) F	Rate & Total plus 4-20mA U
				Kalrez K		1" (OG5 standard) U		Rate & total + 4-20mA Ex X
						1 1/2" (OG6 standard) P		Metra-Batch on meter B
						2" (OG7 standard) D		Metra-Batch remote R

A stainless steel meter rated at 80°C, 50 Bar, with Viton™ seal, Hall effect detector and a 3/4" BSP thread would have the order code :-OG4-SS5-VHT-B

Metra-Flow OG5

Metra-flow OG5 100 L/Min oval gear meter



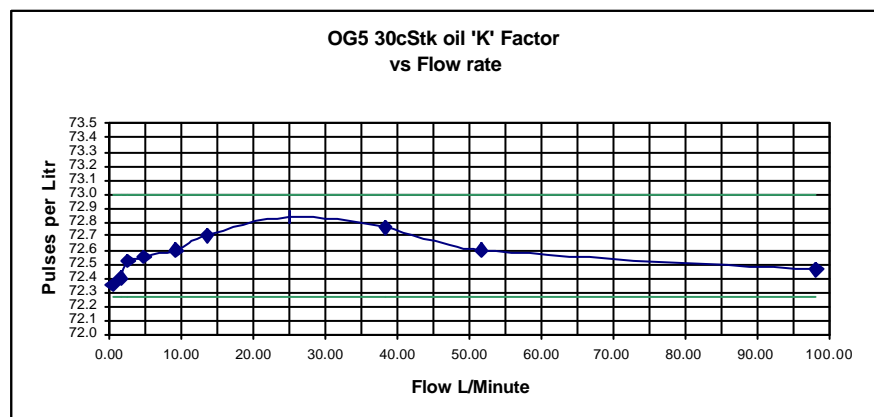
- Excellent chemical resistance
- Rugged construction
- Individual calibration
- High viscosity capability
- Low pressure loss
- No flow conditioning required
- Compact meter assembly
- Hall or reed switch sensor
- Accuracy 0.75% reading water
0.5% reading oil
- ±0.25% reading *
- 0.1% repeatability
- IP67/NEMA 4 protection
- Models to 400 Bar

* When used with our metra-smart instrument

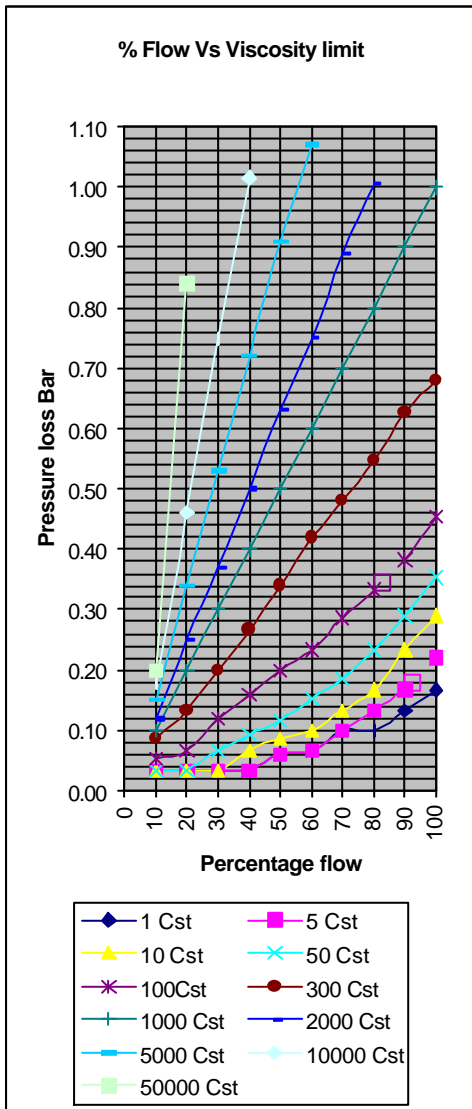
Ideal for

- ◆ Engine test
- ◆ Oil flow
- ◆ High viscosity fluids
- ◆ OEM equipment

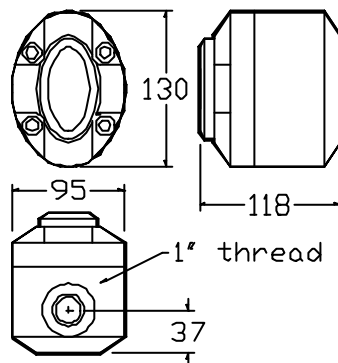
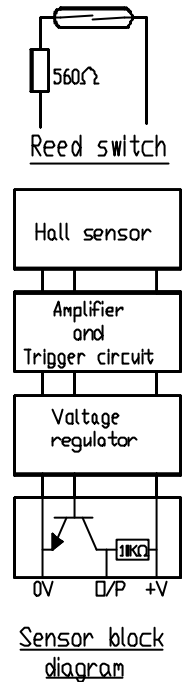
The compact rugged OG5 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 0.5 to 100 L/Min on 30 Cstk oil and 4 to 100 L/min on water like liquids. It can have totally non-metallic wetted components, PEEK™, ceramic and an elastomer which makes this the ideal choice for the metering of aggressive chemicals. The standard inlet and outlet are 1" female threads. For OEM use alternatives, including manifold mountings, are available. The standard model is 316 St St with Viton™ 'O' ring seal.



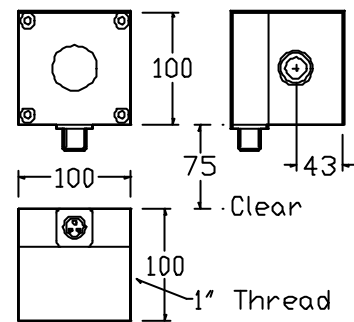
Sample product codes	Stainless standard OG5-SS5-VHU-B	Aluminium standard OG5-AS1-VHU-B
Flow range	4 - 100 LPM 0.5 - 100 LPM	4 - 100 LPM 0.5 - 100 LPM
Wetted materials	316 Stainless steel Carbon filled PEEK™ Viton™ Ceramic	Aluminium Carbon filled PEEK™ Viton™ Ceramic
Accuracy	± 0.5 % reading ± 0.25% Reading	± 0.5 % reading ± 0.25% Reading
Repeatability	± 0.1%	± 0.1%
Detector type	Hall effect	Hall effect
Terminations	M12 gland	M12 gland
Approximate 'K' factor - Pulses/Litre	70	70



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 70 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.



316 St St body



Aluminium body

Model	Body material	Temp rating	Pressure rating	Seal material	Detector type	Pipe thread	Connections	Display mounting options									
OG5	OG5	316 St St	S	80°C 158°F	S	50 Bar 750 PSI	5	Viton	V	Hall effect	H	1/4" (OG1&2 standard)	Q	BSP F	B	Rate & Total on meter	C
		Aluminium	A	100°C 212°F	T	10 Bar 150 PSI	1	Nitrile	N	Reed switch	R	1/2" (OG3 Standard)	H	NPT F	N	Rate & total Ex on meter	E
			U	150°C 300°F	U	400 Bar 5880 PSI	4	EPDM	E			3/4" (OG4 standard)	T	Flanged (specify)	F	Rate & Total plus 4-20mA	U
								Kalrez	K			1" (OG5 standard)	U			Rate & total + 4-20mA Ex	X
												1 1/2" (OG6 standard)	P			Metra-Batch on meter	B
												2" (OG7 standard)	D			Metra-Batch remote	R

A stainless steel meter rated at 80°C, 50 Bar, with Viton™ seal, Hall effect detector and a 1" BSP thread would have the order code :-OG5-SS5-VHU-B

Metra-Flow OG6

Metra-flow OG6 200 L/Min oval gear meter



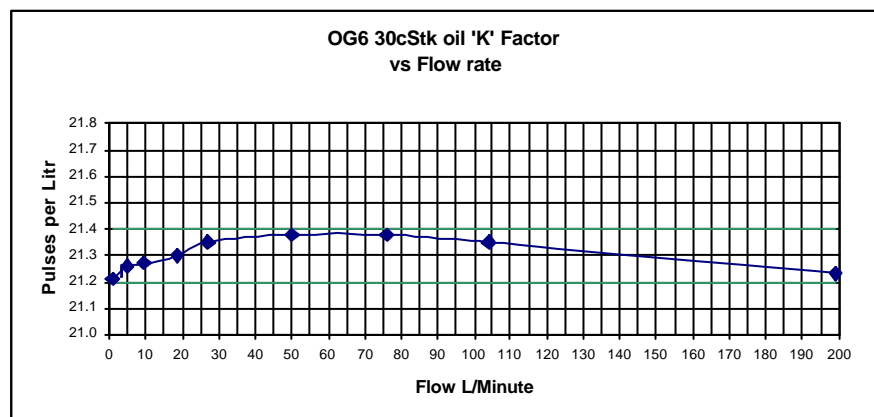
- Excellent chemical resistance
- Rugged construction
- Individual calibration
- High viscosity capability
- Low pressure loss
- No flow conditioning required
- Hall or reed switch sensor
- Accuracy 1.0% reading water
0.5% reading oil
- ±0.25% reading *
- 0.1% repeatability
- IP67/NEMA 4 protection
- Models to 400 Bar

* When used with our metra-smart instrument

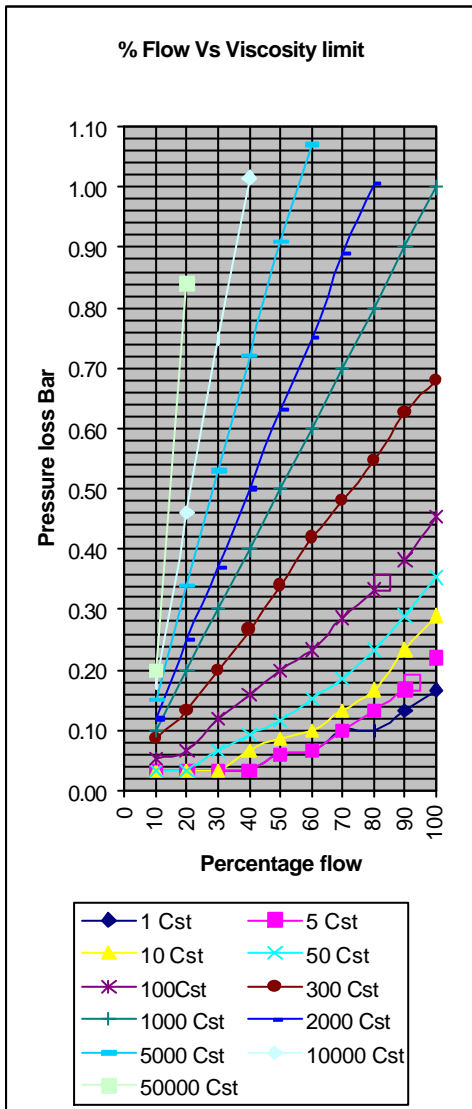
Ideal for

- ◆ Engine test
- ◆ Oil flow
- ◆ High viscosity fluids
- ◆ OEM equipment

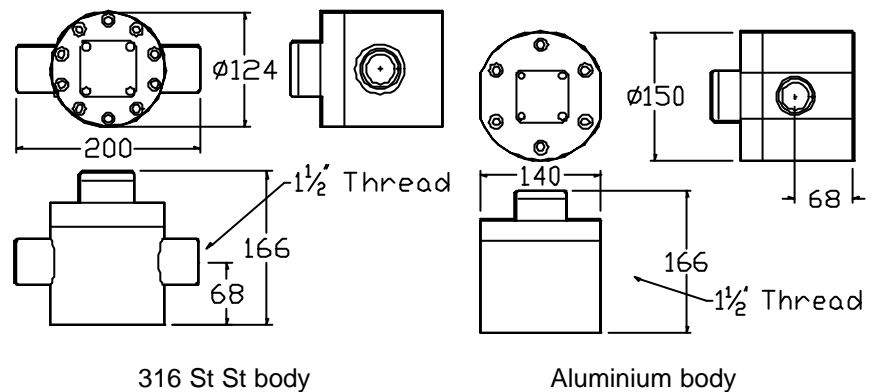
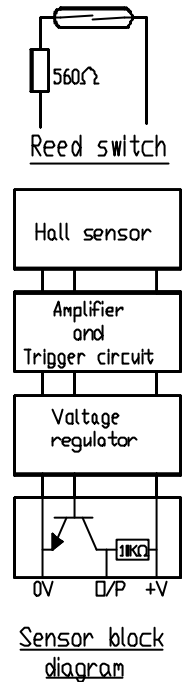
The rugged OG6 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 2.0 to 200 L/Min on 30 Cstk oil and 10 to 200 L/min on water like liquids. It can have totally non-metallic wetted components, PEEK™, ceramic and an elastomer which makes this the ideal choice for the metering of aggressive chemicals. The standard inlet and outlet are 1½” female threads. For OEM use alternatives, including manifold mountings, are available. The standard model is 316 St St with Viton™ ‘O’ ring seal.



Sample product codes	Stainless standard OG6-SS5-VHP-B	Aluminium standard OG6-AS1-VHP-B
Flow range - Water - 30 cSt Oil	10- 200 LPM 2.0 - 200 LPM	10- 200 LPM 2.0 - 200 LPM
Wetted materials - Body - Gears - Seal - Magnet	316 Stainless steel Carbon filled PEEK™ Viton™ Ceramic	Aluminium Carbon filled PEEK™ Viton™ Ceramic
Accuracy - Water - 30 cSt oil	± 1.0 % Reading ± 0.5% Reading	± 1.0 % Reading ± 0.5% Reading
Repeatability	± 0.1%	± 0.1%
Detector type	Hall effect	Hall effect
Terminations	M12 gland	M12 gland
Approximate 'K' factor - Pulses/Litre	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 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.



Model	Body material	Temp rating	Pressure rating	Seal mat'l	Detector type	Pipe thread	Connections	Display mounting options
OG6	OG6	316 St St S 50 Bar Std	80°C 158°F 50 Bar 750 PSI	Viton V	Hall effect H	1/4" (OG1&2 standard) Q	BSP F B	Rate & Total on C meter
		Aluminium A 10 Bar max	100°C 212°F 150°C 300°F 10 Bar 150 PSI 400 Bar 5880 PSI	Nitrile N EPDM E Kalrez K	Reed switch R	1/2" (OG3 Standard) H 3/4" (OG4 standard) T 1" (OG5 standard) U 1 1/2" (OG6 standard) P 2" (OG7 standard) D	NPT F N Flanged (specify) F	Rate & total Ex on meter E Rate & Total plus 4-20mA U Rate & total + 4-X 20mA Ex meter B Metra-Batch on remote R

A stainless steel meter rated at 80°C, 50 Bar, with Viton™ seal, Hall effect detector and a 1" BSP thread would have the order code :-OG6-SS5-VHP-B

Metra-Flow OG7

Metra-flow OG7 500 L/Min oval gear meter



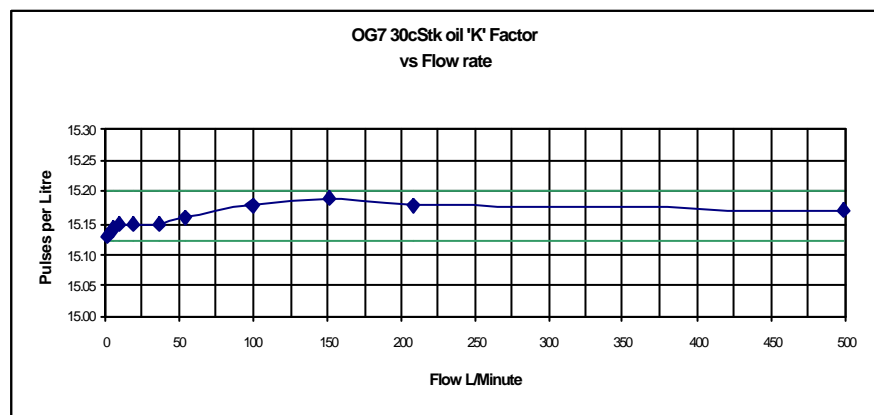
- Excellent chemical resistance
- Rugged construction
- Individual calibration
- High viscosity capability
- Low pressure loss
- No flow conditioning required
- Hall or reed switch sensor
- Accuracy 1.0% reading water
0.5% reading oil
- ±0.25% reading *
- 0.1% repeatability
- IP67/NEMA 4 protection
- Models to 400 Bar

* When used with our metra-smart instrument

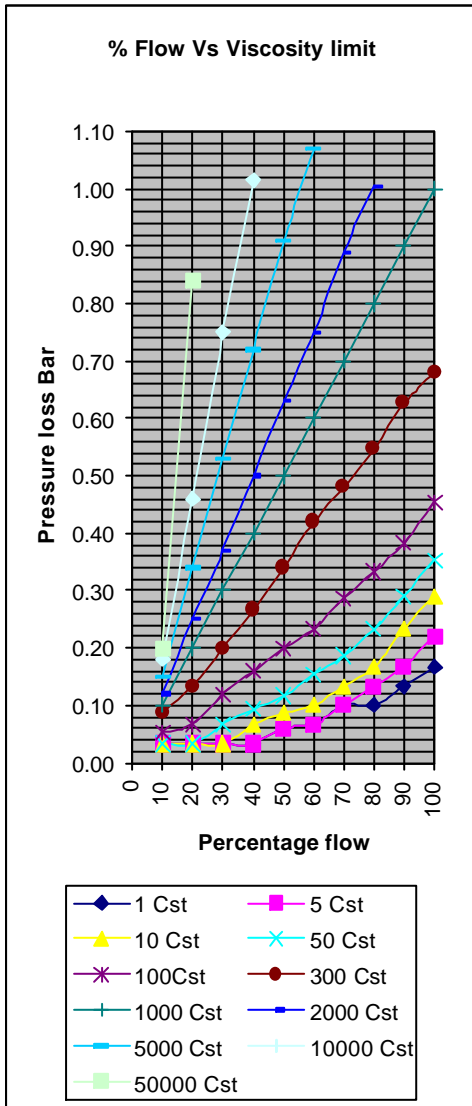
Ideal for

- ◆ Engine test
- ◆ Oil flow
- ◆ High viscosity fluids
- ◆ OEM equipment

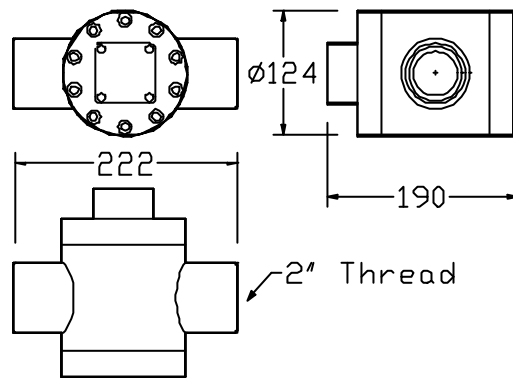
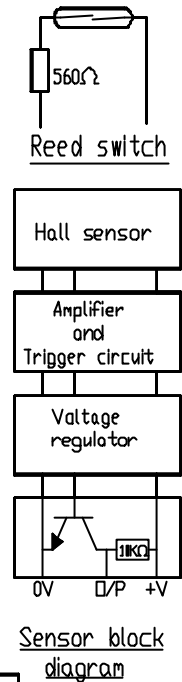
The rugged OG7 oval gear flowmeter is designed to give high performance with a low cost of ownership. It has a standard flow range from 5 to 500 L/Min on 30 Cstk oil and 20 to 500 L/min on water like liquids. It can have totally non-metallic wetted components, PEEK™, ceramic and an elastomer which makes this the ideal choice for the metering of aggressive chemicals. The standard inlet and outlet are 2" female threads. For OEM use other alternatives, including manifold mountings, are available. The standard model is 316 St St with Viton™ 'O' ring seal.



Sample product code	Stainless standard OG7-SS5-VHD-B
Flow range - Water - 30 cSt Oil	20– 500 LPM 5.0 - 500LPM
Wetted materials - Body - Gears - Seal - Magnet	316 Stainless steel Carbon filled PEEK™ Viton™ Ceramic
Accuracy - Water - 30 cSt oil	± 1.0 % Reading ± 0.5% Reading
Repeatability	± 0.1%
Detector type	Hall effect
Terminations	M12 gland
Approximate 'K' factor - Pulses/Litre	15



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 15 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.



Model	Body material	Temp rating	Pressure rating	Seal material	Detector type	Pipe thread	Connections	Display mounting options			
OG7	OG7	316 St St 50 Bar std	S	80°C 158°F	S	50 Bar 750 PSI 5	Viton V	Hall effect H	1/4" (OG1&2 standard) Q	BSP F B	Rate & Total on meter C
				100°C 212°F	T	10 Bar 150 PSI 1	Nitrile N	Reed switch R	1/2" (OG3 Standard) H	NPT F N	Rate & total Ex on meter E
				150°C 300°F	U	400 Bar 5880 PSI 4	EPDM E		3/4" (OG4 standard) T	Flanged (specify) F	Rate & Total plus 4-20mA U
							Kalrez K		1" (OG5 stan- dard) U		Rate & total + 4- 20mA Ex X
									1 1/2" (OG6 standard) P		Metra-Batch on meter B
									2" (OG7 stan- dard) D		Metra-Batch remote R

A stainless steel meter rated at 80°C, 50 Bar, with Viton™ seal, Hall effect detector and a 2" BSP thread would have the order code :-OG7-SS5-VHD-B