

OM SERIES EXPANDED PRODUCT OFFERING -
STANDARD & INTERMEDIATE PRESSURE OUTPUTS

GREEN GREEN = AVAILABLE OPTION
GRAY GRAY = OPTION NOT AVAILABLE

OM - OVAL GEAR FLOWMETERS WITH OUTPUTS

1	PRODUCT IDENTIFIER											
OM004	1/8" (4mm) OVAL GEAR METER, 1-36 L/hr, 0.26-9.5 USG/hr	004										
OM006	1/4" (6mm) OVAL GEAR METER, 2-100 L/hr, 0.53-26.4 USG/hr		006									
OM008	3/8" (8mm) OVAL GEAR METER, 15-550 L/hr, 4-145 USG/hr			008								
OM015	1/2" (15mm) OVAL GEAR METER, 1-40 L/min, 0.26-10.6 USG/min				015							
OM025	1" (25mm) OVAL GEAR METER, 10-150 L/min, 2.6-40 USG/min					025						
OM040	1.5" (40mm) OVAL GEAR METER, 15-250 L/min, 4-66 USG/min						040					
OM050	2" (50mm) OVAL GEAR METER, 30-450 L/min, 8-120 USG/min							050				
OM080	3" (80mm) OVAL GEAR METER, 35-750 L/min, 10-200 USG/min								080			
OM080	3" (80mm) OVAL GEAR METER, 50-1000 L/min, 13-260 USG/min									080E		
OM100	4" (100mm) OVAL GEAR METER, 75-1500 L/min, 20-400 USG/min										100	
OM100	4" (100mm) OVAL GEAR METER, 150-2500 L/min, 40-660 USG/min											100E

2 BODY MATERIAL

A	Aluminium											
E	Extended flow Aluminium											
M	Intermediate pressure aluminium											
N	Intermediate pressure Stainless Steel											
S	Stainless Steel											

3 ROTOR/BEARING MATERIAL

00	PPS (not suitable for Temp code 3)											
10	High Viscosity PPS (not suitable for Temp code 3)											
44	Aluminium/Hardened Steel Roller Bearing (100E only)											
51	Stainless Steel / Carbon Ceramic Bearing											
71	High Viscosity Stainless Steel / Carbon Ceramic Bearing											

4 SEAL MATERIAL

1	Viton (-15° C min. [5° F])											
3	Teflon Encapsulated Viton / Kalrez (-15° C min. [5° F])											
4	Nitrile (not suited Temp Code 3) (-40° C min. [-40° F])											

5 TEMPERATURE RATING

-	2	120° C max. [250° F] - Standard temperature code										
-	3	150° C max. [300° F] - Hall only, includes SS terminal cover										
-	8	80° C max. [176° F] Required for OM008 with PPS rotors, and A0, A1, A2, A4 Options										

6 PROCESS CONNECTION

0	No fittings											
1	BSPP (G) female threaded (ISO 228)											
2	NPT female threaded											
3	Tri-clamp ferrules (1/2" larger than meter size)											
4	ANSI-150 RF flanged											
	ANSI-150 RF flanged - SS Meters											
5	ANSI-300 RF flanged											
6	PN16 DIN flanged											
	PN16 DIN flanged - SS Meters											

7 CABLE ENTRY

1	M20 x 1.5 mm (M16 x 1.5 mm for R4 options)											
2	1/2" NPT											

8 INTEGRAL OPTION

		Reed switch & Hall effect (NPN) outputs										
	RS	Reed Switch only										
	E1	Reed switch & Hall effect (NPN) outputs with IECEx/ATEX approval Ex db IIB T6...T3 Gb										
	E2	Reed switch & Hall effect (NPN) outputs with IECEx/ATEX approval Ex db I Mb (<i>SS meters only</i>)										
	E4	Reed switch & Hall effect (NPN) outputs with ANZEx approval Ex db I Mb (<i>SS meters only</i>)										
Pending release	A0	4-20mA analogue output (note 2)										
Pending release	A1	4-20mA analogue output with IECEx/ATEX approval Ex db IIB T6...T3 Gb (note 2)										
Pending release	A2	4-20mA analogue output with IECEx/ATEX approval Ex db I Mb (<i>SS meters only</i>) (note 2)										
Pending release	A4	4-20mA analogue output with ANZEx Approval Ex db I Mb (<i>SS meters only</i>) (note 2)										
	SS	Reed switch & Hall effect (NPN) outputs with stainless steel terminal cover										
	FP	cFMus Approved, USA and Canada, Flameproof Class 1 Zone 1 (note 3)										
	QP	Quadrature Hall effect output (2x NPN outputs)										
	QPN	Quadrature Hall effect output (2x NPN outputs) with Australian / New-Zealand weights and measures approval										
	Q1	Quadrature Hall effect output (2x NPN outputs) with IECEx/ATEX approval Ex db IIB T6...T3 Gb										
	Q1N	Quadrature Hall effect output (2x NPN outputs) with Australian / New-Zealand weights and measures approval, IECEx/ATEX approval Ex db IIB T6...T3 Gb										
	HR	High resolution Hall effect (NPN) output										
	H1	High resolution Hall effect (NPN) output with IECEx/ATEX approval Ex db IIB T6...T3 Gb										

Note 1. OM050 with PPS rotors 30 - 500 L/min [8 - 130 USG/min] with lubricating liquids, not for NMI use.
Note 2. Analogue output options (A0, A1, A2, A4) must have temperature code 8 for 80° C [176° F] maximum temperature
Note 3. FM approved option (FP) must have temperature code 2 for 120° C [250° F] maximum temperature

1	2	3	4		5	6	7	8	9
OM025	S	51	1	-	5	1	1	R5	G

