

OM SERIES EXPANDED PRODUCT OFFERING - HIGH PRESSURE

GREEN = AVAILABLE OPTION
GRAY = OPTION NOT AVAILABLE

OM -HIGH PRESSURE OVAL GEAR CHEMICAL FLOWMETERS WITH DIGITAL DISPLAYS AND/ OR OUTPUTS

1

PRODUCT IDENTIFIER

OM004

1/8" (4mm) OVAL GEAR METER, 1-36 L/hr, 0.26-9.5 USG/hr, 400 Bar [5800psi]

004

OM006

1/4" (6mm) OVAL GEAR METER, 2-100 L/hr, 0.53-26.4 USG/hr, 400 Bar [5800psi]

006

OM008

1/4" (6mm) OVAL GEAR METER, 15-550 L/hr, 4-145 USG/hr, 400 Bar [5800psi]

008

OM015

1/2" (15mm) OVAL GEAR METER, 1-40 L/min, 0.26-10.6 USG/min, 400 Bar [5800psi]

015

OM025

1" (25mm) OVAL GEAR METER, 10-150 L/min, 2.6-40 USG/min, 400 Bar [5800psi]

025

OM040

1.5" (40mm) OVAL GEAR METER, 15-250 L/min, 4-66 USG/min, 400 Bar [5800psi]

040

OM050

2" (50mm) OVAL GEAR METER, 30-450 L/min, 8-120 USG/min, 300 Bar [4350psi]

050

2

BODY MATERIAL

H

High Pressure - 316 Stainless Steel

3

ROTOR/BEARING MATERIAL

00

PPS (not suitable for Temp code 3)

10

High Viscosity PPS (not suitable for Temp code 3)

51

Stainless Steel / Carbon Ceramic Bearing

71

High Viscosity Stainless Steel / Carbon Ceramic Bearing

4

SEAL MATERIAL

1

Viton (-15° °

3

Teflon encapsulated Viton / Kalrez (-15° °

4

Nitrile, (not suitable for Temp code 3, -40° °

5

TEMPERATURE RATING

-

2

120° °

-

3

150° °

(Note 3)

-

5

Insulator for

-

8

80° °

6

PROCESS CONNECTION

1

BSPP (G) female threaded (ISO 228)

2

NPT female threaded

7

CABLE ENTRY

1

M20 x 1.5 mm (M16 x 1.5 mm for R4 options)

2

1/2" NPT

6

3 x 16mm drilled holes (for R7/F15/F18/F19/F31)

8

INTEGRAL OPTION

Reed switch & Hall effect (NPN) outputs

RS

Reed Switch only - to suit Intrinsically Safe installations

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 (SS meters only)

E4

Reed switch & Hall effect (NPN) outputs with ANZEx approval Ex db I Mb (SS meters only)

A0

4-20mA analogue output (note 2)

A1

4-20mA analogue output with IECEx/ATEX approval Ex db IIB T6...T3 Gb (note 2)

A2

4-20mA analogue output with IECEx/ATEX approval Ex db I Mb (SS meters only) (note 2)

A4

4-20mA analogue output with ANZEx Approval Ex db I Mb (SS meters only) (note 2)

SS

Stainless steel terminal cover

HR

High resolution Hall effect (NPN) output

H1

High resolution Hall effect (NPN) output with IECEx/ATEX approval Ex db IIB T6...T3 Gb

R4

RT40 rate totaliser with pulse or alarm output in Aluminium housing Select cable entry 1 (Note 3)

R5

RT14 rate totaliser with 4-20mA and pulse outputs, in GRN housing Select cable entry 1 or 2 (Note 3)

R6

RT14 IECEx/ATEX Intrinsically Safe rate totaliser with 4-20mA and pulse outputs, in GRN housing - Select cable entry 1 or 2 (Note 3)

R7

RT40 backlit rate totaliser with pulse or alarm output in GRN housing Select cable entry 6 (Note 3)

E18

E018 IECEx/ATEX EXd rate totaliser with 4-20mA and pulse outputs HART communications, in an Aluminium housing Select cable entry 1 or 2 (Note 3)

E19

E018 IECEx/ATEX EXd rate totaliser with 4-20mA and pulse outputs HART communications, in a SS housing Select cable entry 1 or 2 (Note 3)

F18

F018 rate totaliser with 4-20mA and pulse outputs and HART communications, in a GRN housing - Select cable entry 6 (Note 3)

F19

F018 Intrinsically Safe rate totaliser with 4-20mA and pulse outputs and HART communications, in a GRN housing - Select cable entry 6 (Note 3)

9

Calibration (for integral display models only)

Displays in Litres (DEFAULT)

G

Displays in US Gallons

Note 1. Temperature code 3 requires a 20% pressure de-rating when operating above 120° C [250° F]

Note 2. Analogue output options (A0, A1, A2, A4) must have temperature code 8 for 80° C [176° F] maximum temperature

Note 3. Integral displays cannot have temperature code 2 or 3. Select temperature code 8 as the standard choice, or temperature code 5 for oprating temperature between 80-120° C [176-250° F]

1

2

3

4

OM025

H

51

1

-

5

6

7

8

9

5

1

1

R5

G