

Model G240 Gear Flow Meter (Frequency) 250 cc/min to 240 liters/min

SPECIFICATIONS

Flow Range	250 cc/min to 240 liters/min
Accuracy (at 30 cP)	± 0.3% of reading over a 100:1 range
Maximum Operating Pressure	4000 psi (275 bar) - NPT fittings 6000 psi (414 bar) - SAE fittings
Weight	21 kg
Recommended Filtration	30 micron
Port Size(s)	1" NPT or #16 SAE
Fluids	Most non-aqueous, hydrocarbon based fluids

MATERIALS OF CONSTRUCTION

External	Stainless steel, type 303; Xylan Coated Bolts
Wetted	Stainless steel, type 303, 440C, 17-4; Nickel plated SmCo magnet
O-Rings	Standard: Viton® Optional: Teflon®, Perfluoroelastomer

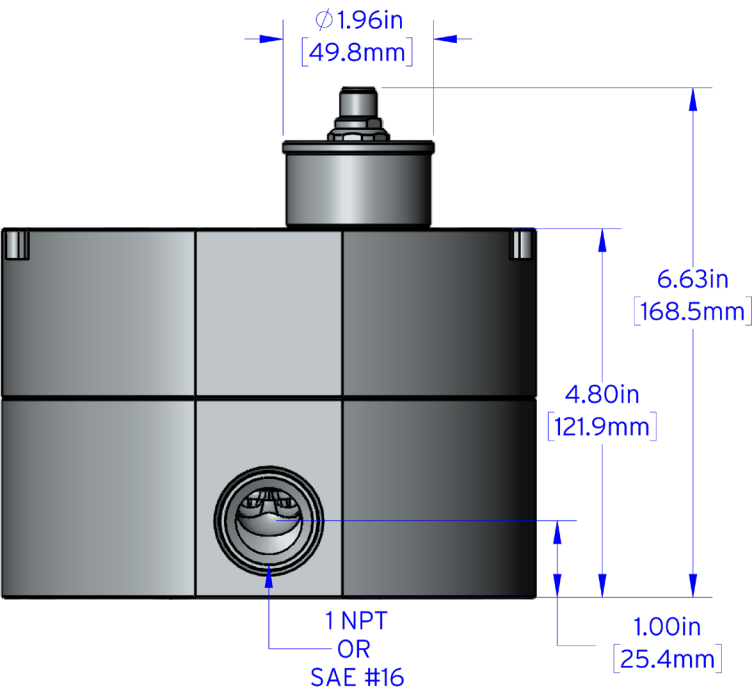


FREQUENCY TRANSMITTER

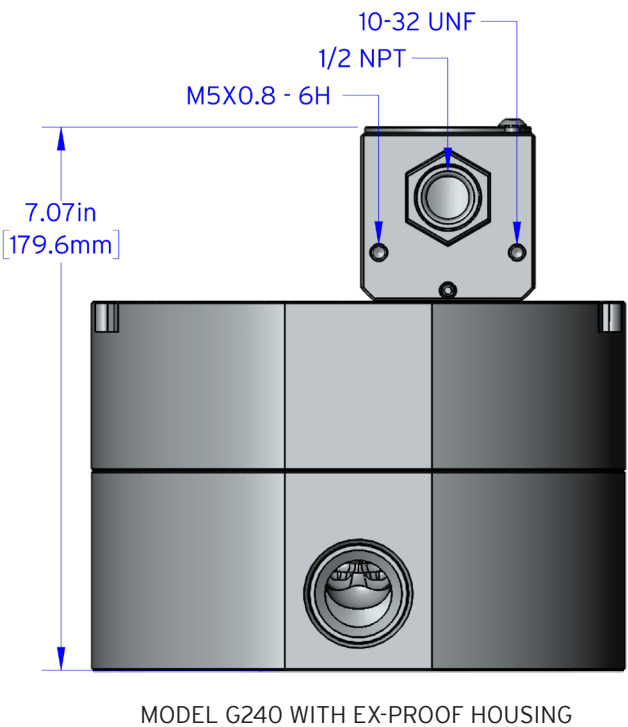
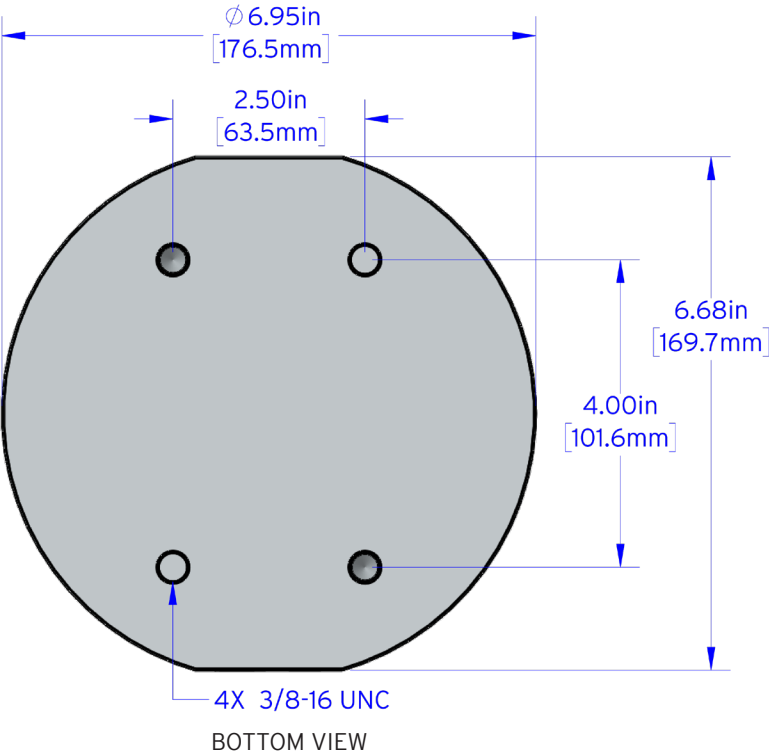
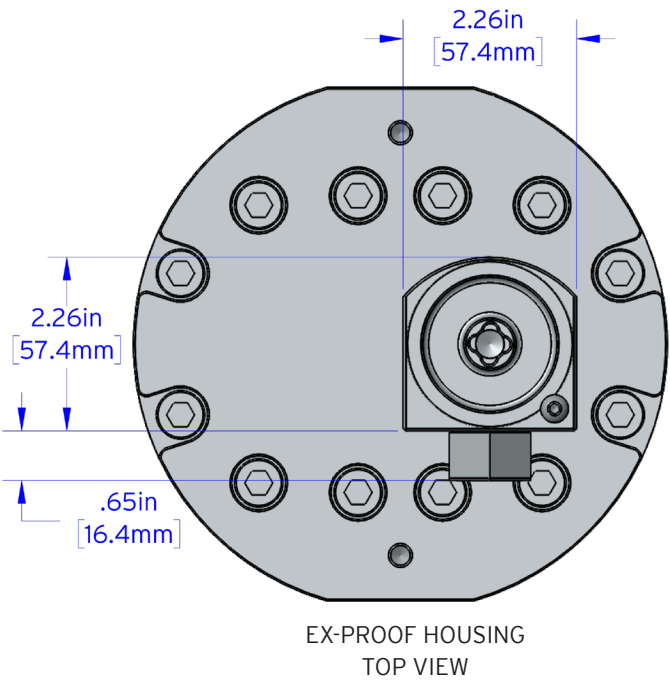
Output Signal	Standard: 5 Vdc, single phase Optional: Quadrature 5 Vdc, two phase Current sinking, 20 mA max., single phase
K-Factor	Single Phase: 7 pulses/cc Two Phase: 14 pulses/cc, 4x decoded (3.5 pulses/cc/phase, 1x decoded)
Power Supply Requirements	5 - 26 Vdc, @ 30 mA
Ambient Operational Range	-40°C to 80°C, Single piece – Two piece to 110°C
Metered Liquid Temp Range (based on 20° ambient)	-40°C to 90°C, Standard model -40°C to 155°C, Two piece high temperature model -40°C to 225°C, Two piece, ultra high temperature model
Compliance	CE Certified, Ex-proof version available with ATEX/IECEx II 2 G Ex db IIB Tx Gb as well as UL, cUL certification for Class 1, Division 1, Groups C and D, Tx

Model G240 Flow Meter (Frequency)

DIMENSIONS (Not to scale)

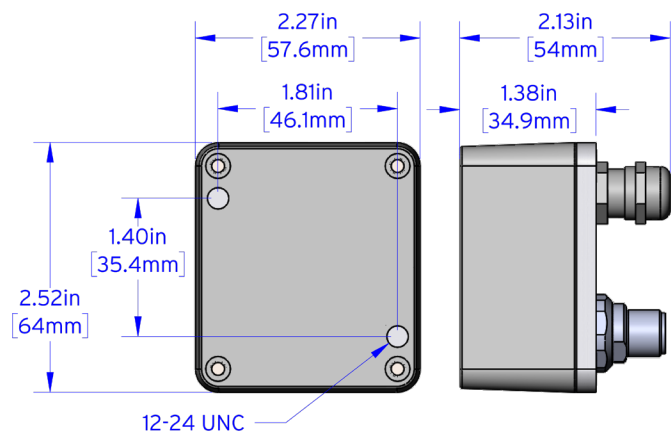


MODEL G240 WITH INDUSTRIAL HOUSING



Model G240 Flow Meter (Frequency)

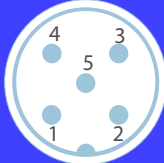
DIMENSIONS (Not to scale)



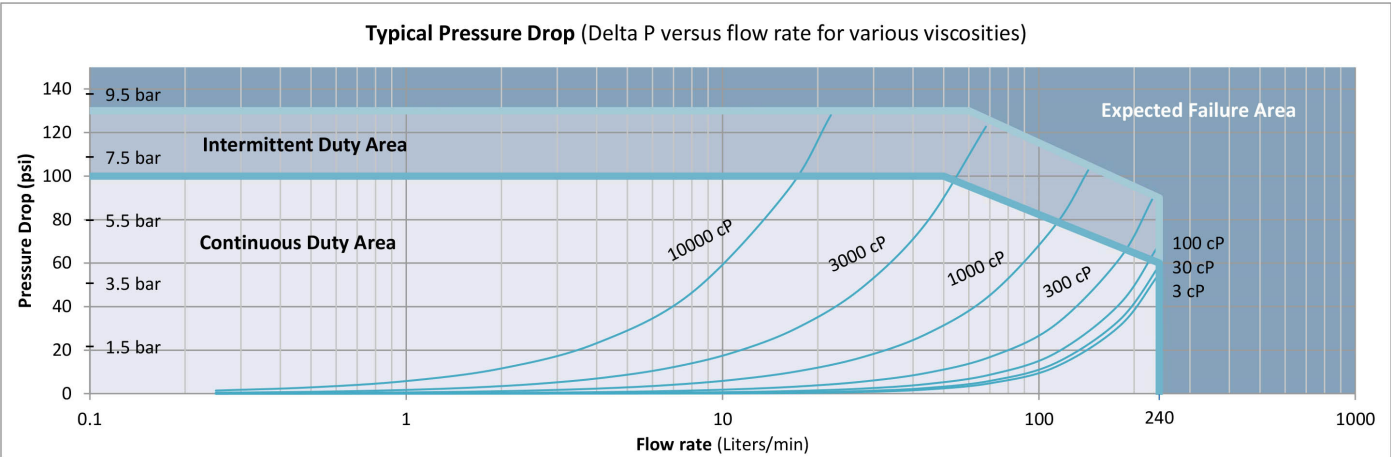
REMOTE PCA ENCLOSURE FOR HIGH TEMPERATURE TRANSMITTERS
(Not Shown: Industrial 2 meter interconnect cable included, Ex-Proof user supplied interconnect cable required)

CONNECTIVITY

ELECTRICAL CONNECTION –FREQUENCY TRANSMITTERS

	Turck® Connector		
	PCA Label	Pin #	Mating Cable Wire Color
Power (+5 to 26 Vdc)	V+	1	Brown
Common	Com	4	Black
Pulse Output	Ph A	2	White
Output Phase B (Quad only)	Ph B	5	Grey
Case Ground	Case	3	Blue

PRESSURE DROP GRAPH





Max Machinery, Inc.
an ISO 9001:2015 certified company

Positive Displacement Flow Meters Gear Type, G-Series

Flow Meter Selections Transmitter Selections

Model # HS / / 1 - Non-Standard Options

Bi-Directional Cal: BID

Max Flow Range

4 Liters/Min	G004
15 Liters/Min	G015
45 Liters/Min	G045
105 Liters/Min	G105
240 Liters/Min	G240

Pressure

6000 psi (414 bar) HS

Note: G240 limited to 4000 psi (275 bar)
if specified with NPT connections

Fluid Connection

NPT 1
SAE 2

Seal Selection

Viton® - FKM 1
Teflon® - PTFE*** 3
Perfluoroelastomer - FFKM 5

Options

None NA
Heat Trace Option HT

Output Type

A 4-20mA Output - Powered by 24 Vdc
B 4-20mA Output - Powered by 12 Vdc
C 0-10 Volt Output - Powered by 24 Vdc
D 0-10 Volt Output - Powered by 12 Vdc
N 5V Pulse/Freq. - Powered by 5-26 Vdc
N 5V Quadrature - Powered by 5-26 Vdc
S Current Sinking, Single Phase

Temperature Rating

1 90°C Industrial / 75°C Haz-Loc
2 155°C Ind. / 130°C Haz-Loc, 2 Part **
3 225°C Industrial, 2 Part †

Electrical Connection

1 Industrial, Turck® Connector
2 Hazardous Location, 1/2 Inch Conduit*

Signal Type

P Pulse
A Analog
Q Quadrature

- * See temp chart in product manual.
** Receiver portion of 2 part transmitters are not rated Ex-Proof, consult factory.
*** Teflon® not used above 90°C for this high pressure rated product.
† Not available for hazardous location use. (Exceeds 130°C temp. limit.)
Product includes single directional calibration, bi-directional calibrations for analog and quadrature devices are optional.



Model G015