

## 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

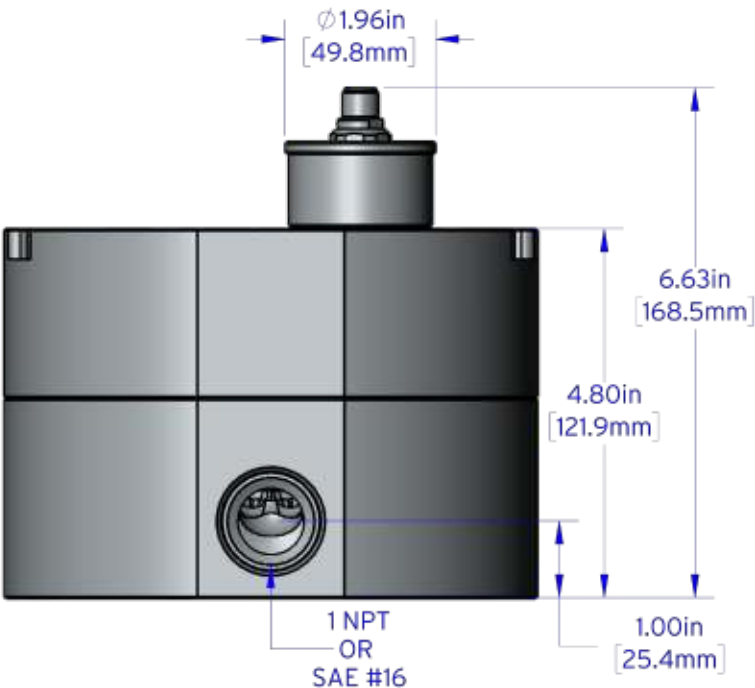


### FREQUENCY TRANSMITTER

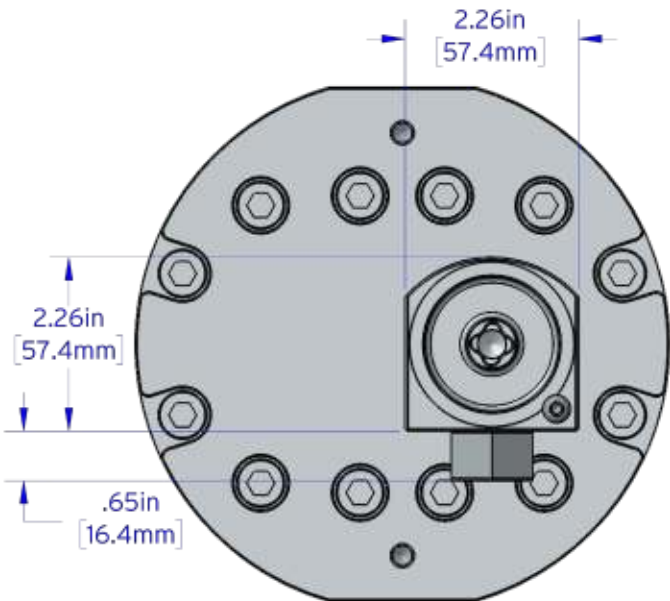
Output Signal	Standard: 5 Vdc, single phase Optional: Quadrature 5 Vdc, two phase Current sinking, 20 mA max., single phase
K-Factor	Single Phase: 7 pulses/cc Two Phase: 14 pulses/cc, 4x decoded (3.5 pulses/cc/phase, 1x decoded)
Power Supply Requirements	5 - 26 Vdc, @ 30 mA
Ambient Operational Range	-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

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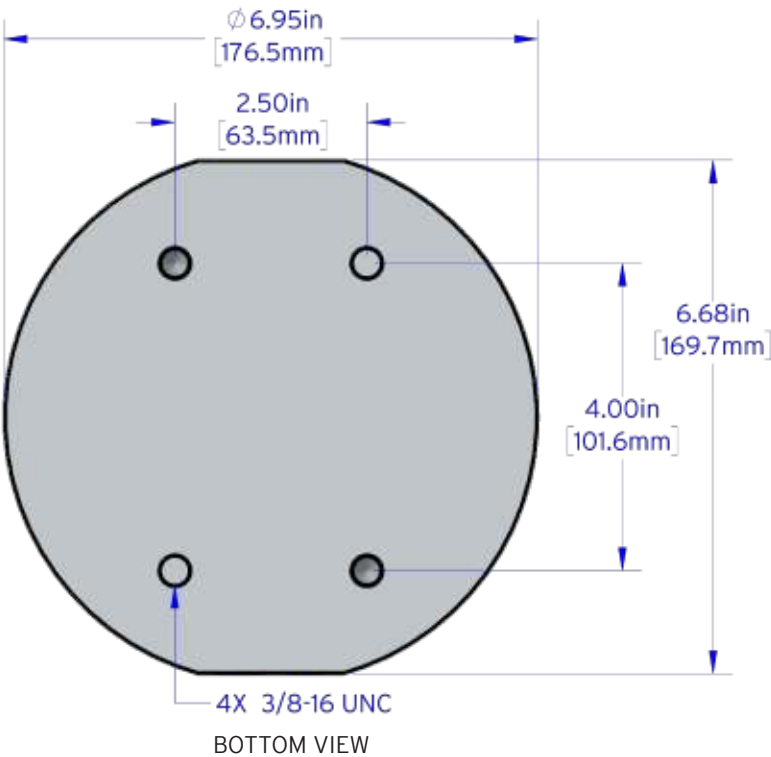
DIMENSIONS (Not to scale)



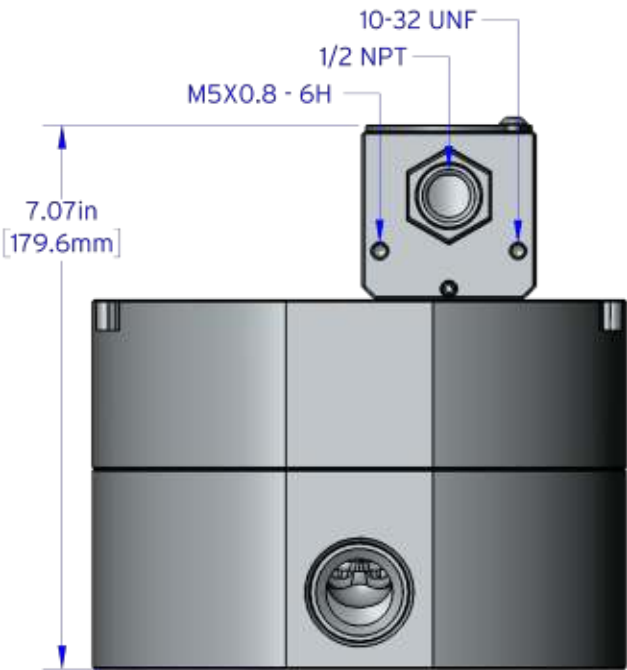
MODEL G240 WITH INDUSTRIAL HOUSING



EX-PROOF HOUSING  
TOP VIEW



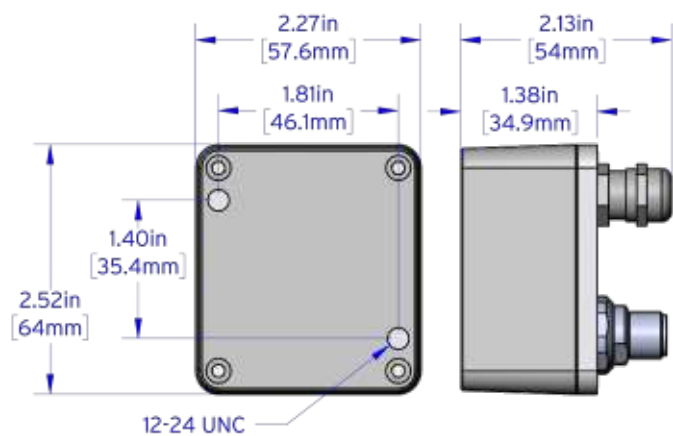
BOTTOM VIEW



MODEL G240 WITH EX-PROOF HOUSING

# Model G240 Flow Meter (Frequency)


## DIMENSIONS (Not to scale)



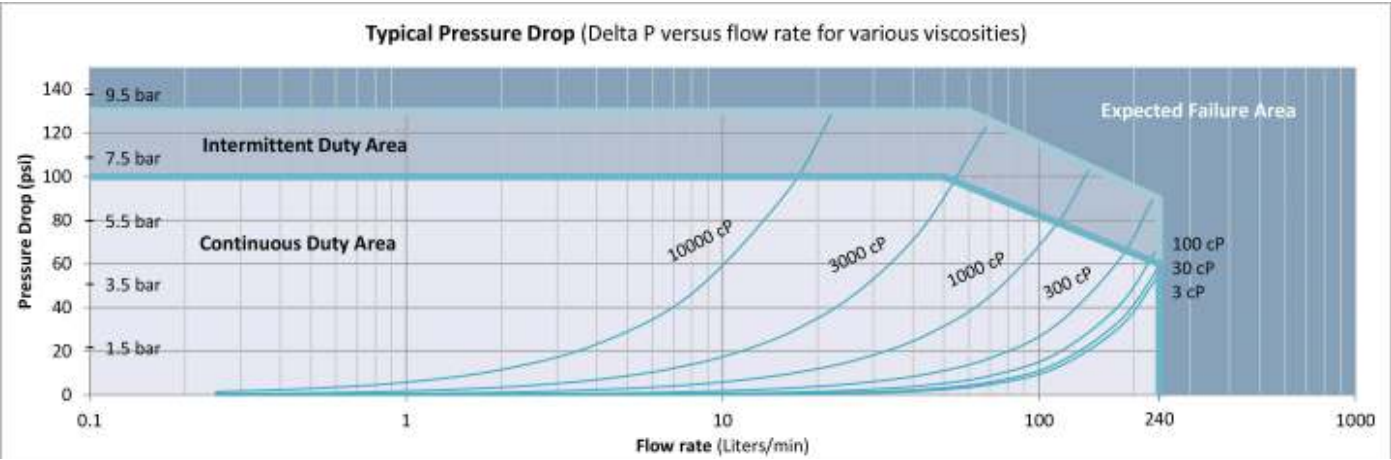
REMOTE PCA ENCLOSURE FOR HIGH TEMPERATURE TRANSMITTERS  
(Not Shown: Industrial 2 meter interconnect cable included, Ex-Proof user supplied interconnect cable required)

## 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 (240 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