

Model G240 Gear Flow Meter (Analog) 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, or ± 2mV (or 4µA), whichever is greater |
| 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

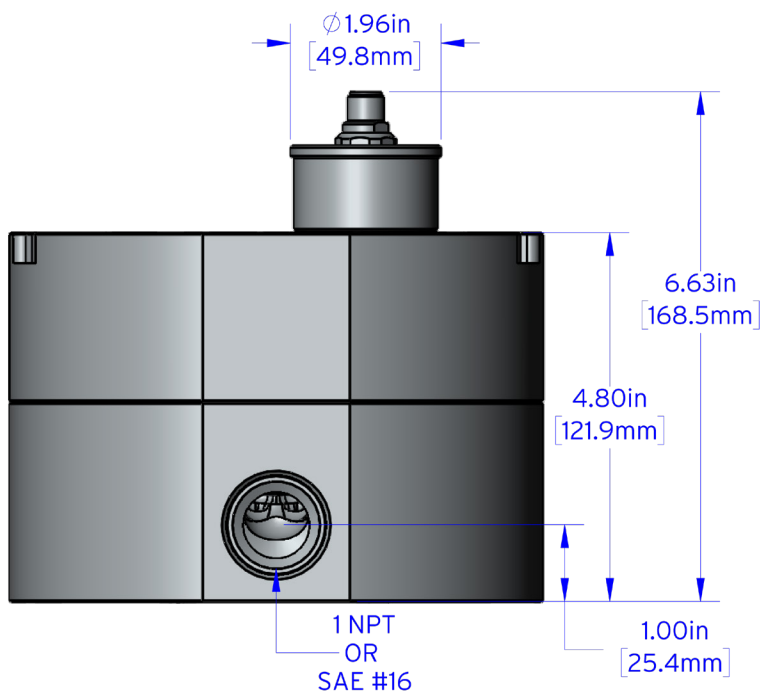
| | |
|------------------|---|
| Body | Stainless steel, type 303 |
| Gears and Shafts | Stainless steel, type 303, 440C, 17-4 |
| O-Rings | Standard, Viton® Optional: Teflon®, Perfluoroelastomer |

ANALOG TRANSMITTER

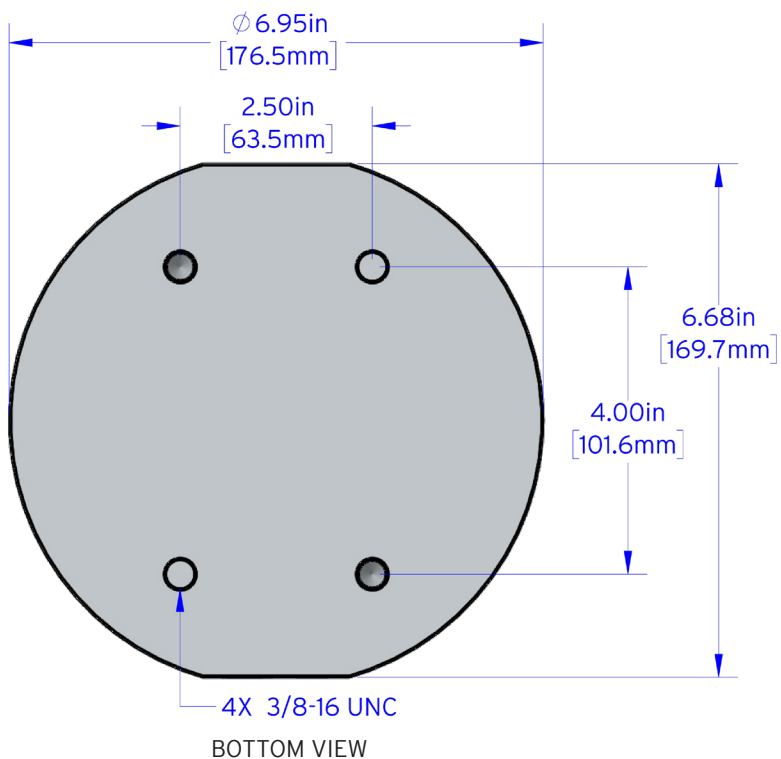
| | |
|---|--|
| Output Signal | Any range of ± 10V or ± 20mA Linearized and damped with anti-dither protection. |
| Power Supply Requirements | Two Models: 12Vdc @ 90 mA, 24Vdc @ 45 mA |
| Ambient Operational Range | -40°C to 80°C, Single piece – Two piece to 110°C |
| Metered Liquid Temp Range (based 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 (Analog)

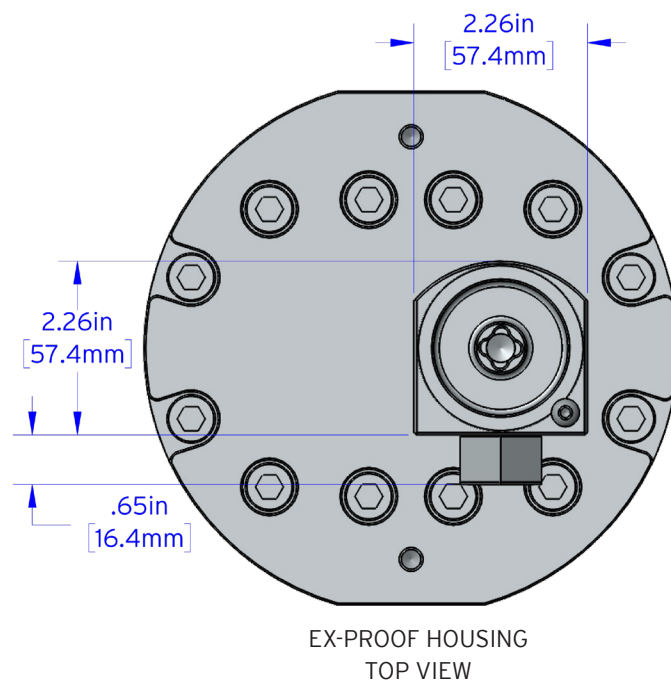
DIMENSIONS (Not to scale)



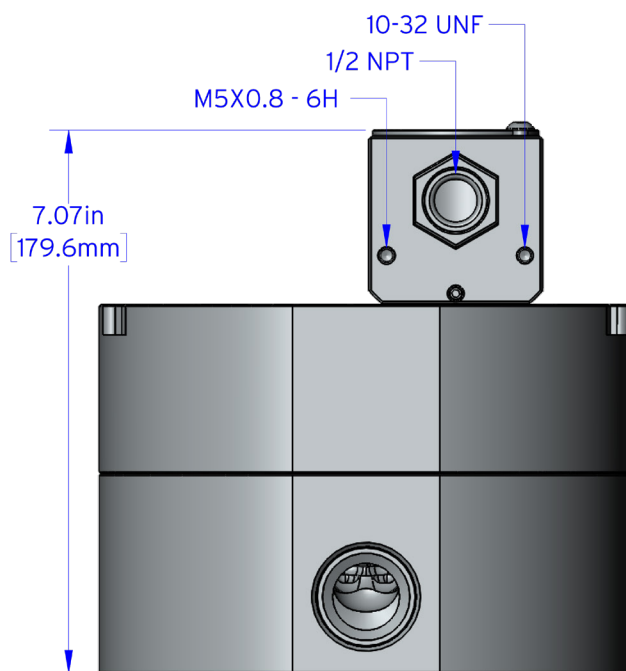
MODEL G240 WITH INDUSTRIAL HOUSING



BOTTOM VIEW



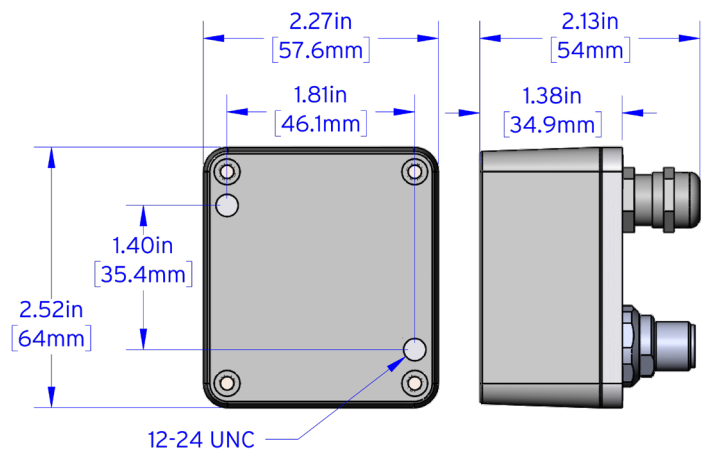
EX-PROOF HOUSING
TOP VIEW



MODEL G240 WITH EX-PROOF HOUSING

Model G240 Flow Meter (Analog)

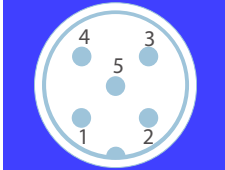
DIMENSIONS (Not to scale)



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

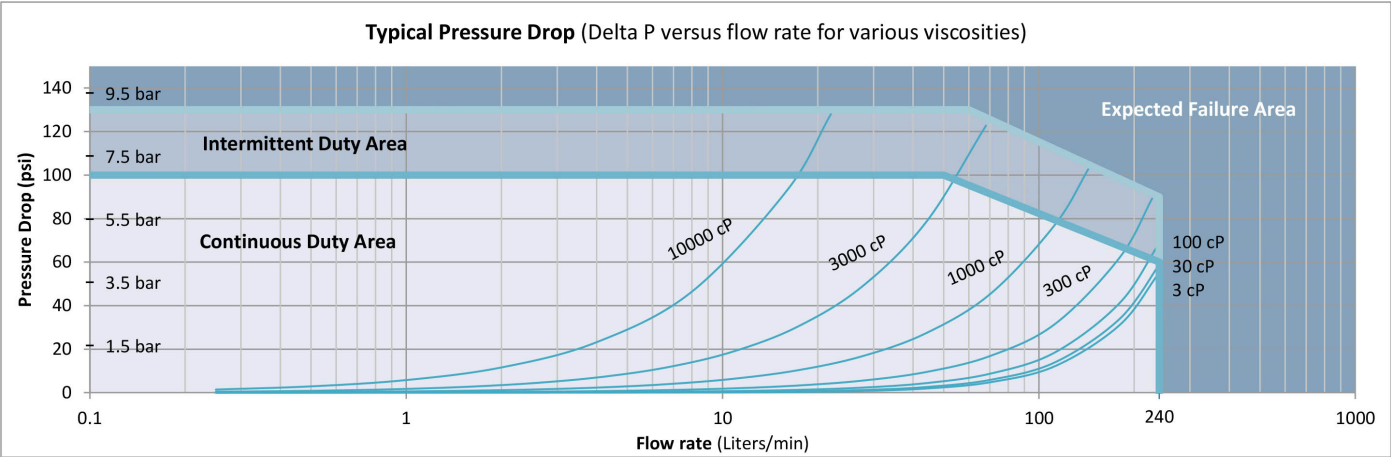
CONNECTIVITY

ELECTRICAL CONNECTION – ANALOG TRANSMITTERS

|  | Turck® Connector | | |
|--|------------------|-------|-------------------------|
| | PCA Label | Pin # | Mating Cable Wire Color |
| Power * | V+ | 1 | Brown |
| Common | Com | 4 | Black |
| Signal Output (+) | Sig | 5 | Grey |
| Signal Output (-) | Ret | 2 | White |
| Case Ground | Case | 3 | Blue |

* Please specify 12Vdc or 24Vdc operation

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 |



Model G015

* 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.