

Model P002 Piston Flow Meter (Analog) 0.5 cc/min to 2000 cc/min

SPECIFICATIONS

Flow Range	0.5 cc/min to 2000 cc/min
Accuracy (at 3 cP)	± 0.2% of reading over a 200:1 range, or ± 2mV (or 4µA), whichever is greater
Maximum Operating Pressure	7250 psi (500 bar)
Weight	1.9 kg
Recommended Filtration	10 micron
Port Siz	#4 SAE
Fluids	Most non-aqueous, hydrocarbon based fluids

MATERIALS OF CONSTRUCTION

External	Stainless steel, type 303
Wetted	Stainless steel, type 303, 440C, 17-4
O-Rings	Standard: Viton® Optional: Perfluoroelastomer

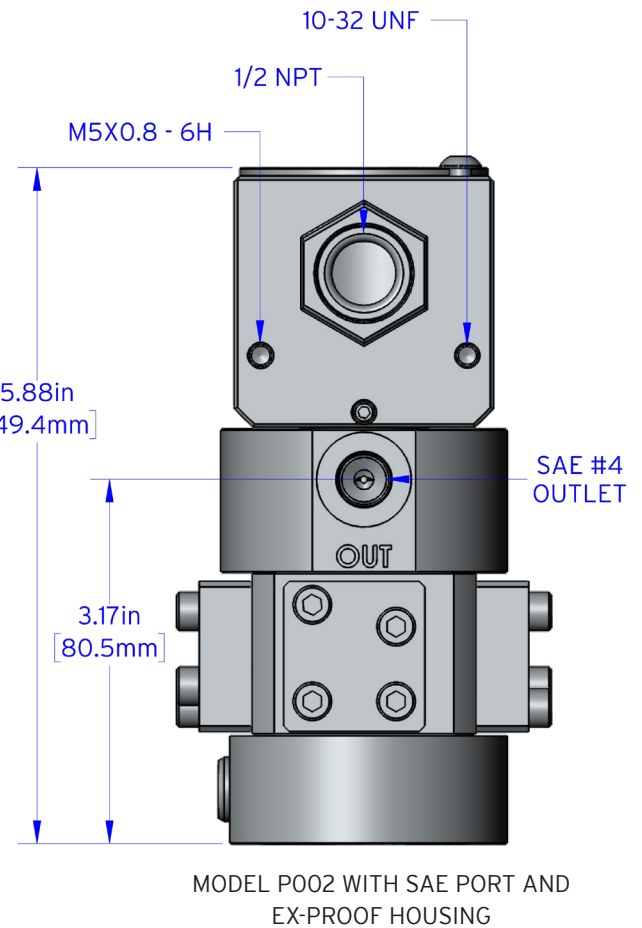
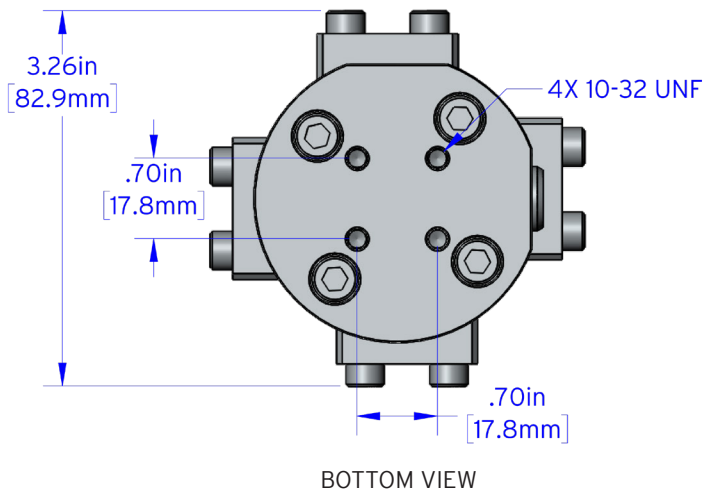
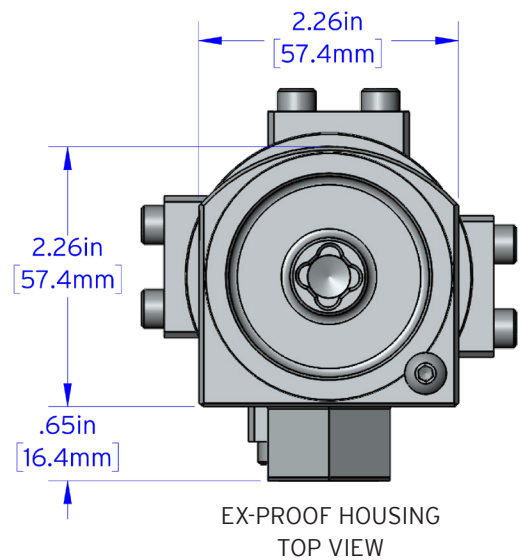
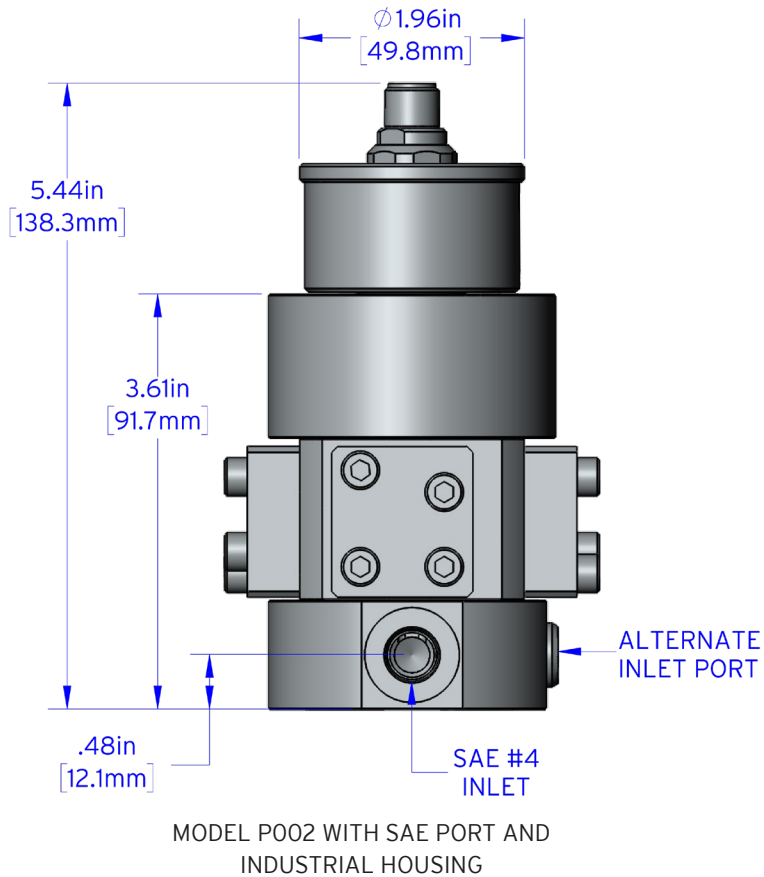
ANALOG TRANSMITTER

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



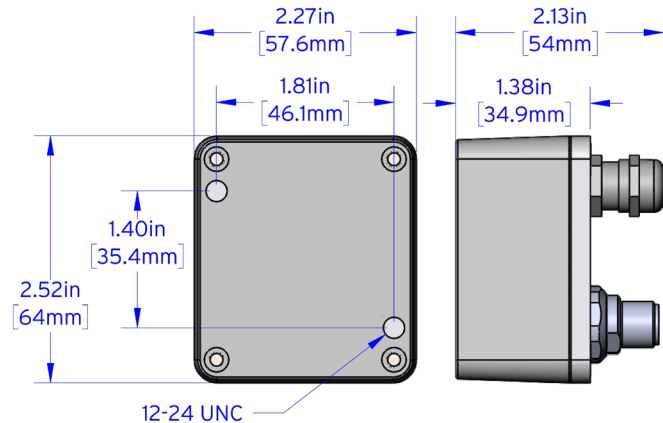
Model P002 Flow Meter (Analog)

DIMENSIONS (Not to scale)



Model P002 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)

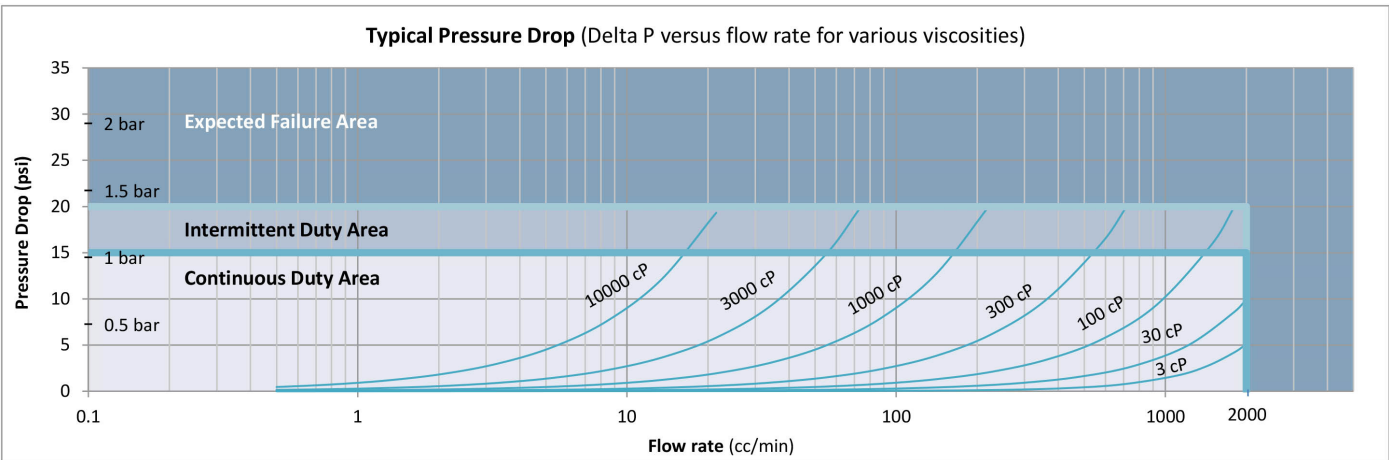
CONNECTIVITY

ELECTRICAL CONNECTION – ANALOG TRANSMITTERS

	PCA Label	Turck® Connector	
		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



Flow Meter Selections Transmitter Selections
 Model # HS / / 1 - Non-Standard Options
 Bi-Directional Cal: BID