



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

Model P001LA Piston Flow Meter (Frequency) 0.005 to 200 cc/min

SPECIFICATIONS

Flow Range	0.005 to 200 cc/min
Accuracy (3 cP)	± 0.2% of reading over a 200:1 range
Maximum Operating Pressure	250 psi (17 bar)
Weight	0.4 kg
Recommended Filtration	5 micron
Port Sizes	1/4" or 6mm tube fitting
Fluids	Most non-aqueous, hydrocarbon based fluids

MATERIALS OF CONSTRUCTION

External	Hard anodized aluminum type 6061; Xylan coated bolts
Wetted	Hard anodized aluminum type 6061; Stainless steel, type 316, Case Hardened type 316, Specialty 400 Series; Nickel plated SmCo magnet
O-Rings	Standard: Viton® Optional: Perfluoroelastmer

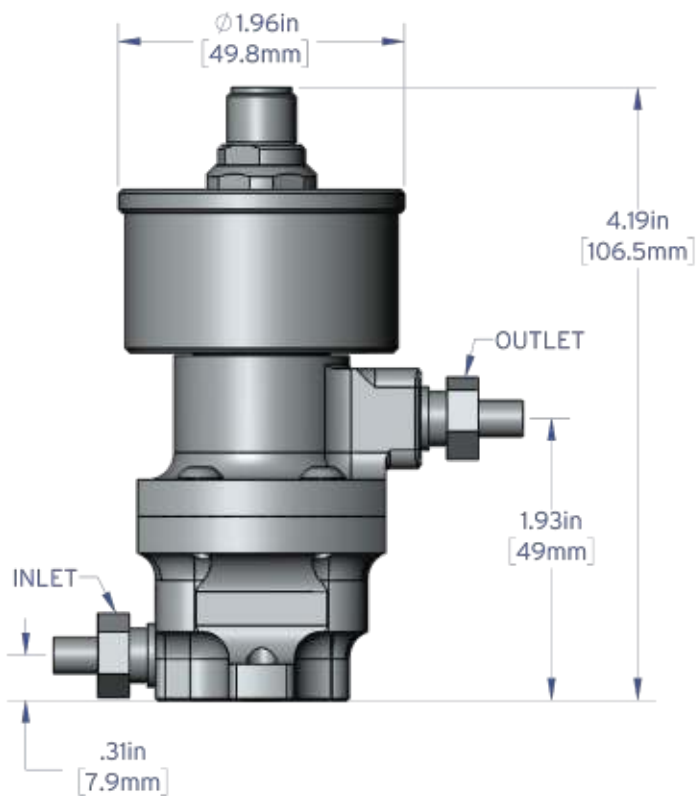


FREQUENCY TRANSMITTER

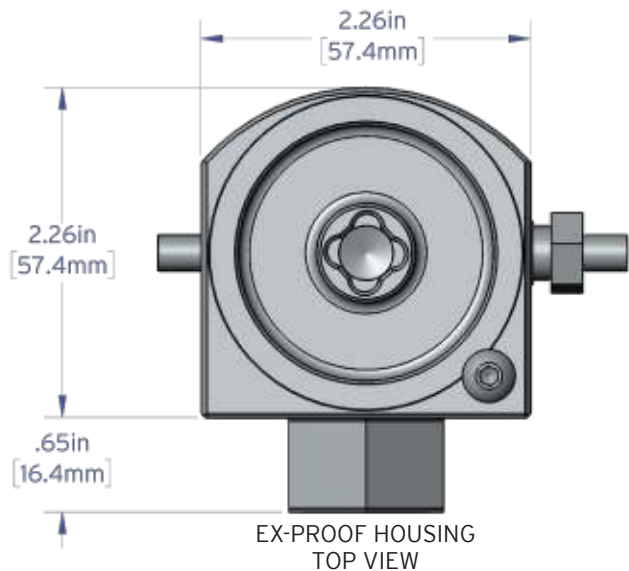
Output Signal	Standard: 5 Vdc, single phase Optional: Quadrature 5 Vdc, two phase Current sinking, 20 mA max., single phase
K-Factor	Single Phase: 12,000 pulses/cc Two Phase: 24,000 pulses/cc, 4x decoded (6,000 pulses/cc/phase, 1x decoded)
Power Supply Requirements	5-26 Vdc @ 30ma
Ambient Operational Range	-40°C to 80°C
Metered Liquid Temp Range (based on 20° ambient)	-40°C to 90°C

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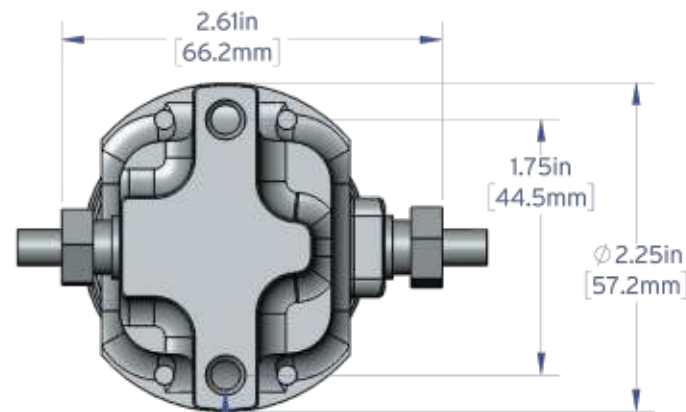
DIMENSIONS (Not to scale)



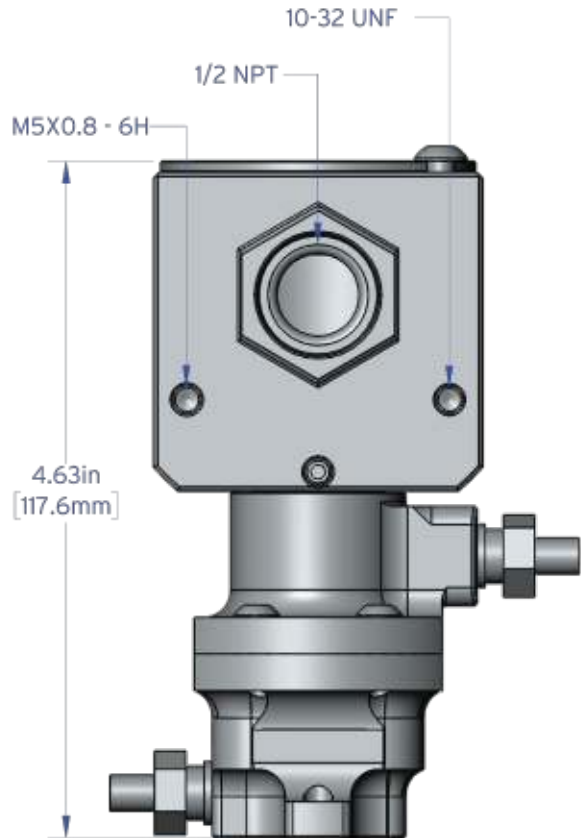
MODEL P001LA WITH TUBE PORT AND INDUSTRIAL HOUSING



EX-PROOF HOUSING TOP VIEW



2X 1/4-20 UNC
BOTTOM VIEW

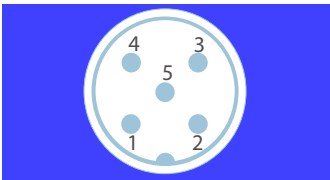


MODEL P001LA WITH TUBE PORT AND EX-PROOF HOUSING

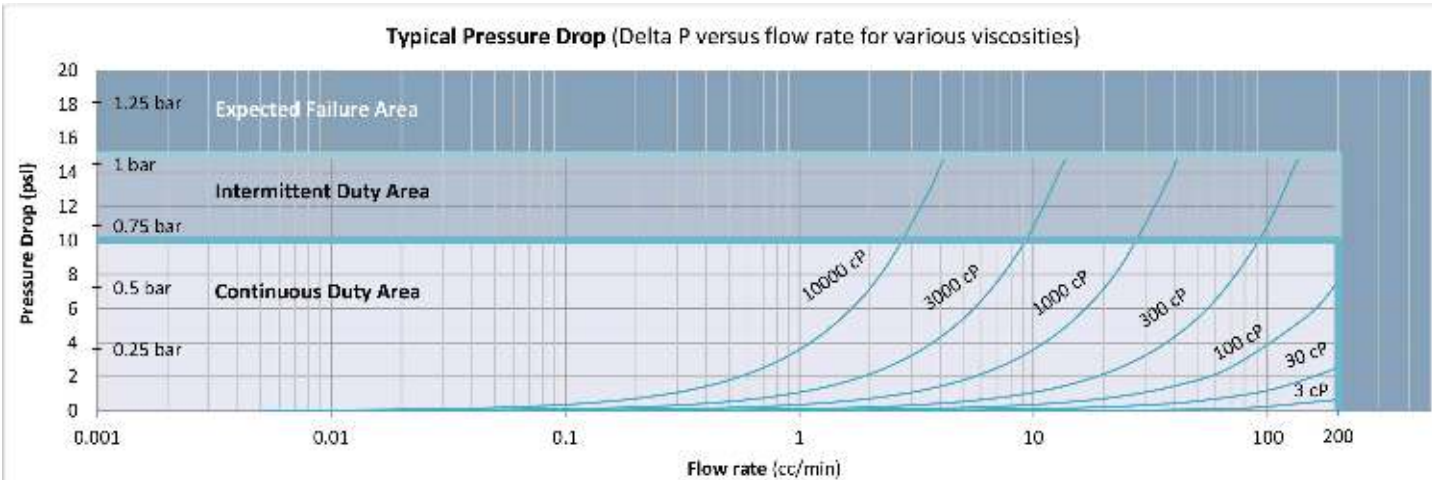
Model P001LA Piston Flow Meter (Frequency)

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





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Positive Displacement Flow Meters Piston Type, P-Series 250 psi (17 bar) rated

Flow Meter Selections				Transmitter Selections								
Model #	<input type="text"/>	LA	<input type="text"/>	/	<input type="text"/>	<input type="text"/>	<input type="text"/>	/	<input type="text"/>	-	<input type="text"/>	Non-Standard Options
												Bi-Directional Cal: BID
												1 Transmitter Type
Max Flow Range												Output Type
0.2 Liters/Min P001												A 4-20mA Output - Powered by 24 Vdc
												A 4-20mA Output - Powered by 12 Vdc
												A 0-10 Volt Output - Powered by 24 Vdc
												A 0-10 Volt Output - Powered by 12 Vdc
												P N 5V Pulse/Freq. - Powered by 5-26 Vdc
												Q N 5V Quadrature - Powered by 5-26 Vdc
												P S Current Sinking, Single Phase
Pressure												Temperature Rating
250 psi (17 bar) LA												1 90°C Industrial
Fluid Connection												Electrical Connection
1/4" and 6mm Tube 3												1 Industrial, Turck® Connector
Seal Selection												Signal Type
Viton® - FKM 1												P Pulse
Perfluoroelastomer - FFKM 5												A Analog
												Q Quadrature
Options												
None NA												

Product includes single directional calibration, bi-directional calibrations for Analog and Quadrature devices are optional.

