

Model P215 Piston Flow Meter (Analog) 25 cc/min to 35 liters/min

SPECIFICATIONS

Flow Range	25 cc/min to 35 liters/min
Accuracy (at 3 cP)	$\pm 0.2\%$ of reading over a 200:1 range, or $\pm 2\text{mV}$ (or $4\mu\text{A}$), whichever is greater
Maximum Operating Pressure	3000 psi (210 bar)
Weight	10.4 kg
Recommended Filtration	10 micron
Port Sizes	1/2" NPT or #8 SAE
Fluids	Most non-aqueous, hydrocarbon based fluids

MATERIALS OF CONSTRUCTION

External	Stainless steel, type 303; Xylan coated bolts
Wetted	Stainless steel, type 303, Nitrided type 303, 440C; Alnico magnet
O-Rings	Standard: Viton® Optional: Teflon®, Perfluoroelastomer, Neoprene

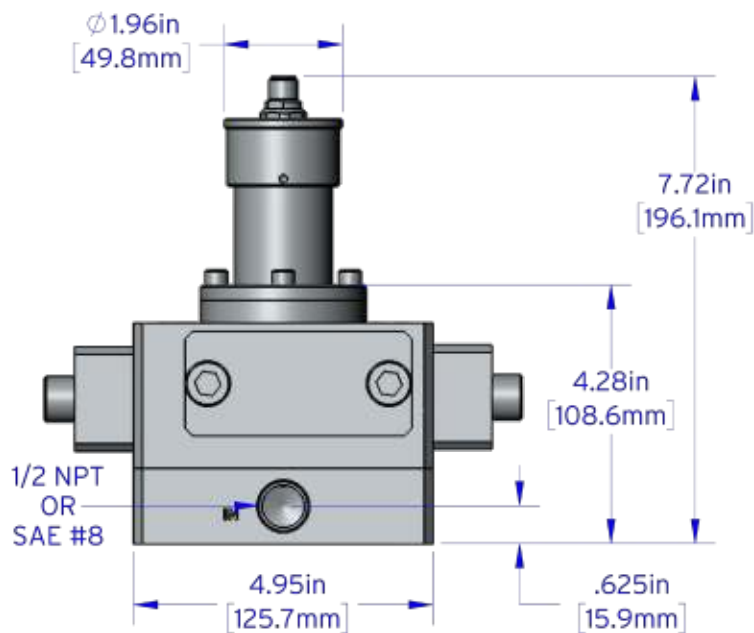
ANALOG TRANSMITTER

Output Signal	Any range of $\pm 10\text{V}$ or $\pm 20\text{mA}$ 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 225°C, Two piece 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

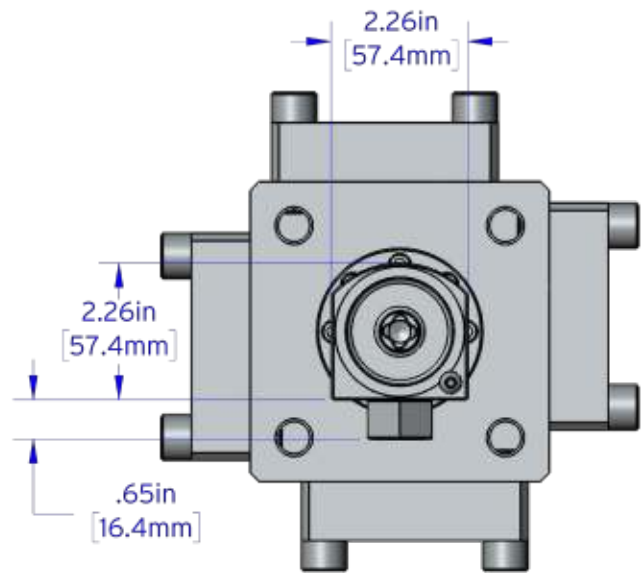


Model P215 Flow Meter (Analog)

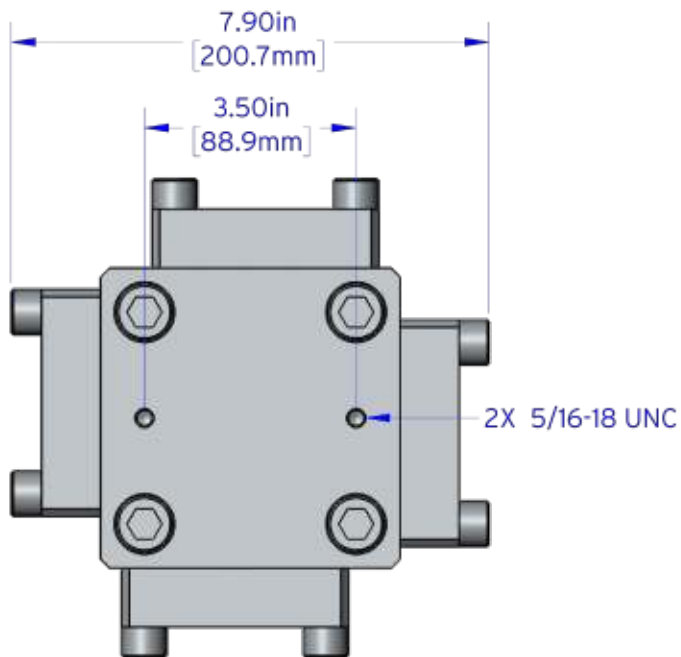
DIMENSIONS (Not to scale)



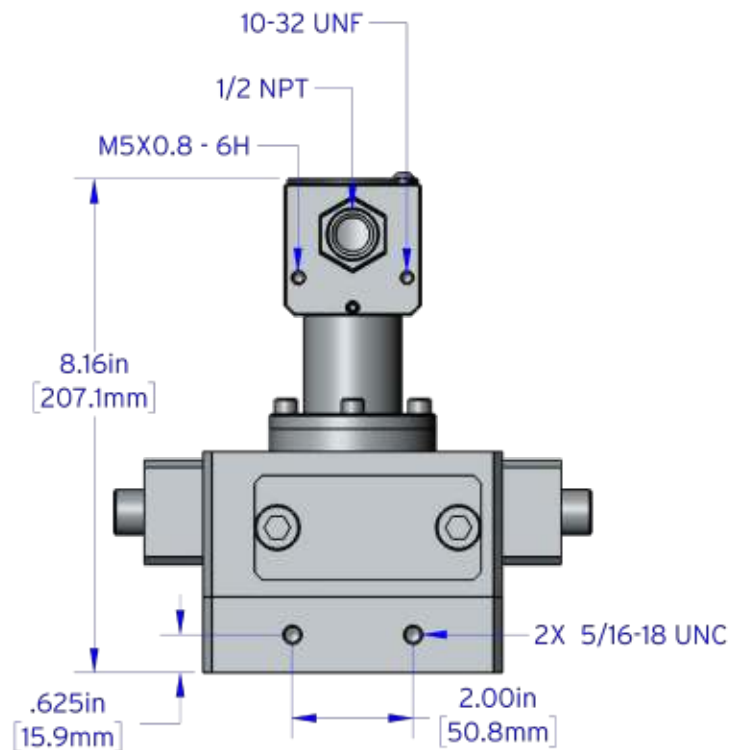
MODEL 215 WITH INDUSTRIAL HOUSING TRANSMITTER



EX-PROOF HOUSING TOP VIEW



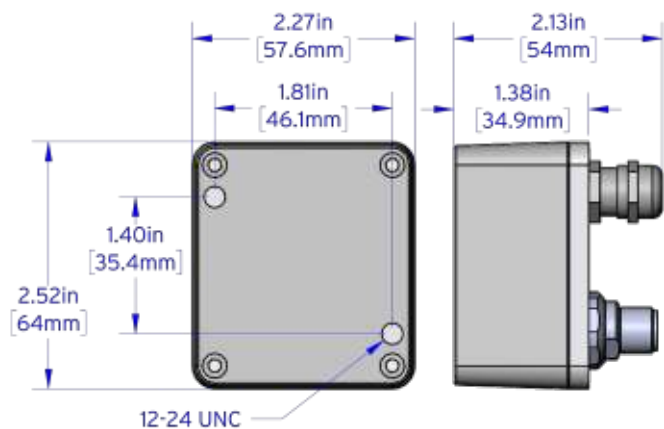
BOTTOM VIEW



MODEL 215 WITH EX-PROOF HOUSING TRANSMITTER

Model P215 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)

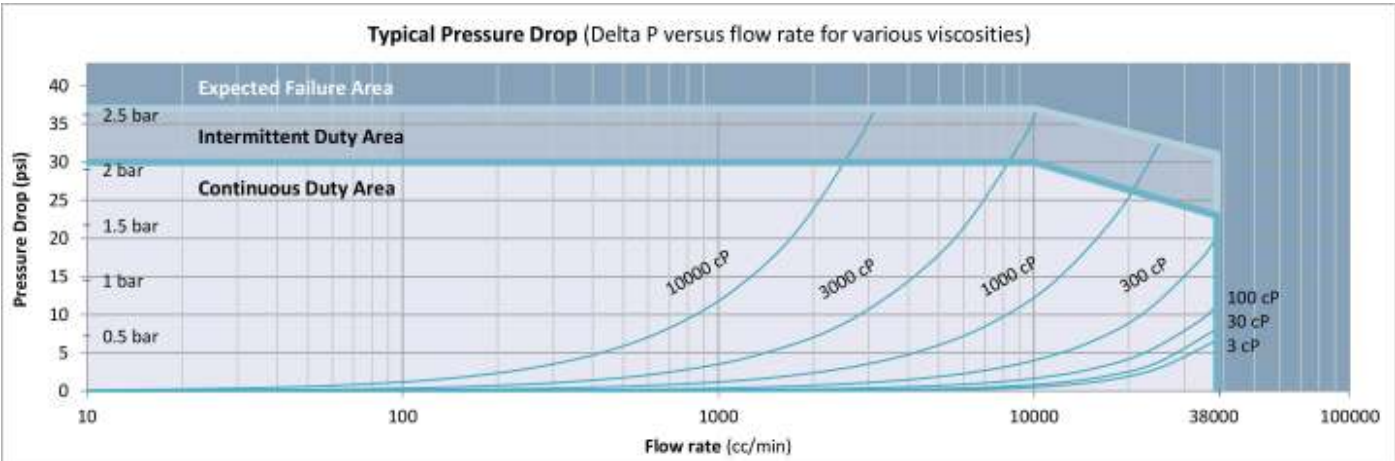
CONNECTIVITY

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 Piston Type, P-Series 3000 psi (210 bar) rated

Flow Meter Selections

Model # MS /

Transmitter Selections

/ - Non-Standard Options

Bi-Directional Cal: BID

0 Transmitter Type

Max Flow Range

1.8 Liters/Min	P213
10 Liters/Min	P214
35 Liters/Min	P215

Pressure

3000 psi (210 bar) MS

Fluid Connection

NPT	1
SAE	2
Manifold	4
(Not available on model P215)	

Seal Selection

Viton® - FKM	1
Teflon® - PTFE	3
Perfluoroelastomer - FFKM	5
Neoprene	7

Options

None	NA
Heat Trace Option	HT

A
A
A
A
P
Q
P

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

- 90°C Industrial / 75°C Haz-Loc
- 130°C Haz-Loc, 2 Part **
- 225°C Industrial, 2 Part †

Electrical Connection

- Industrial, Turck® Connector
- 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.

† 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.

Max Machinery, Inc.
33A Healdsburg Avenue
Healdsburg, CA 95448

maxmachinery.com
T +1 707.433.2662

P215A-SPEC-REV2022
©2008-2022