Model P213 Piston Flow Meter (Analog) 0.5 cc/min to 1800 cc/min

SPECIFICATIONS

Flow Range 0.5 cc/min to 1800 cc/min

Accuracy (at 3 cP) \pm 0.2% of reading over a 200:1 range, or

 \pm 2mV (or 4 μ A), whichever is greater

Maximum Operating Pressure 210 bar (3000 psi)

Displacement 0.89 cc/rev

Weight 1.1 kg
Recommended Filtration 10 micron

Port Size(s) 1/8" NPT, #4 SAE or manifold mount

Fluids Most non-aqueous, hydrocarbon based fluids

MATERIALS OF CONSTRUCTION

Body Stainless steel, type 303

Pistons Nitride hardened stainless steel, type 303

Crankshaft Stainless steel

Bearings All ball bearings, 440C stainless steel

O Rings Viton®- standard • Teflon®, Perfluoroelastomer - optional

ANALOG TRANSMITTER

Output Signal Any range of \pm 10V or \pm 20mA Linearized and damped with anti-dither protection

Power Supply Requirements Two Models: 12Vdc @ 90 mA, 24Vdc @ 45 mA

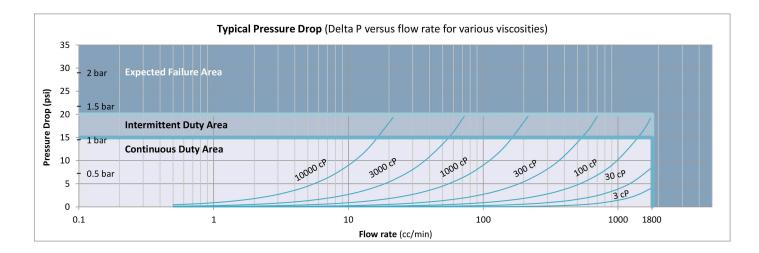
Ambient Operational Range -40°C to 80°C, Single piece – Two piece to 110°C

Metered Liquid Temp Range -40°C to 90°C, Standard model (based on 20° ambient) -40°C to 225°C. Two piece high

-40°C to 225°C, Two piece high temperature model

Compliance CE Certified, Ex-proof version available with ATEX/IECEx II 2 G Ex d IIB Tx Gb as well

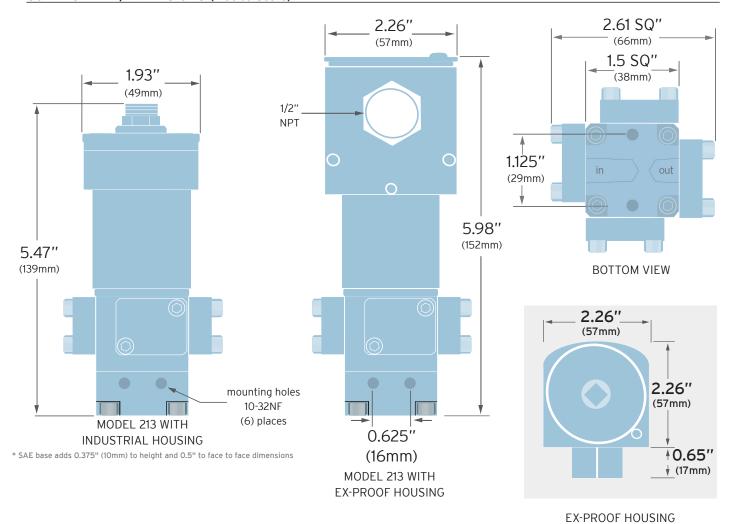
as UL, cUL certification for Class 1, Division 1, Groups C and D, Tx





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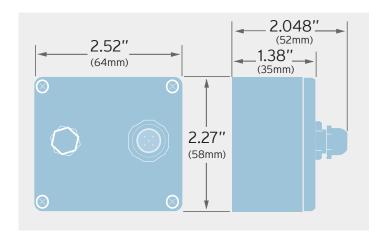
CONNECTIVITY/DIMENSIONS (Not to scale)



ELECTRICAL CONNECTION - ANALOG TRANSMITTERS

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

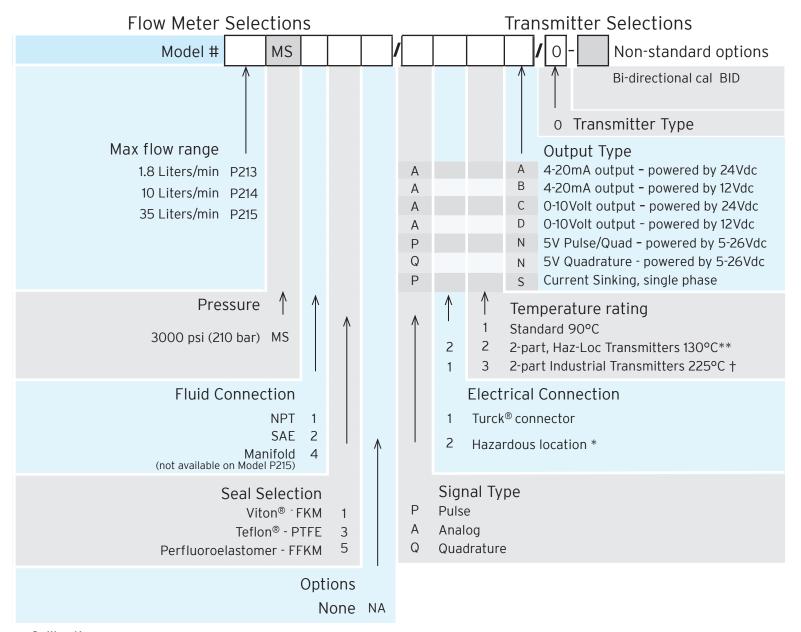
^{*} Please specify 12Vdc or 24Vdc operation



TOP VIEW

REMOTE PCA ENCLOSURE FOR HIGH TEMPERATURE TRANSMITTERS (2 meter interconnect cable, not shown)

Positive Displacement Flow Meters Piston Type, 3000 psi (210 bar) rated



Calibration

Price includes unidirectional calibration

^{*} See temp chart

^{**} Receiver portion of 2 part transmitters are not rated Ex-Proof, consult factory

⁺ Not available for hazardous location use. (Exceeds 130°C temp. limit.)