

FM-3 Flowmeter

Product Overview

The PFA/PTFE Flowmeter is designed for all high purity applications where precise measurement and control of liquids are required. The FM-3 Flowmeter utilizes precision machined PTFE bodies and needle valve components and a molded high purity PFA barrel. Rather than typical face-to-face seals, the FM-3 utilizes tongue and groove technology to seal the barrel to the bodies, creating a more positive seal. An integral needle valve is also available. Panel nut mounting is standard regardless of the type of end connection.



Features

Tongue and groove barrel to body seals.

Molded PFA barrel.

Numerous end connections and flow rates.

Benefits

Zero leakage and allows 360 degree port orientation.

PFA is most chemically compatible and its translucency makes for precise flow measurement.

Versatility to provide exact model for application.

Specifications

Materials of Construction:

Wetted Surfaces - PFA and PTFE
External Surfaces - PTFE, PFA, and PVDF

Pressure Ranges:

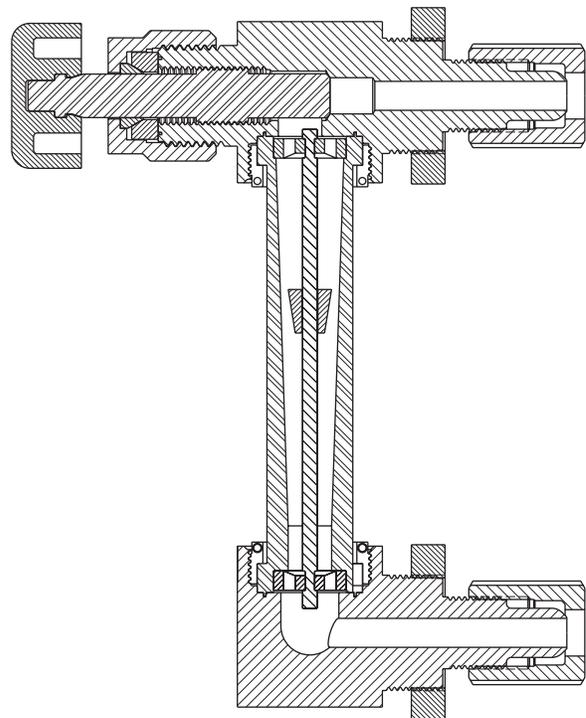
0 PSIG (0 mbar) to 120 PSIG (8.3 bar)

Pressure range above is for operation at ambient temperatures. For use at higher temperatures consult Pressure/Temperature chart on page 3.

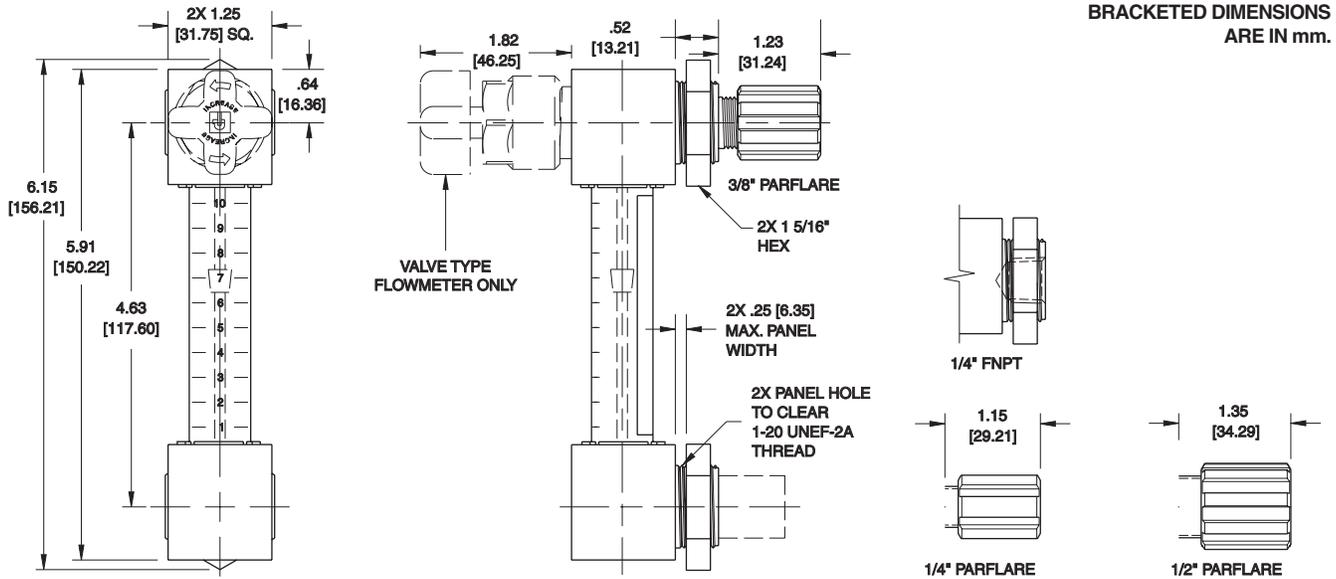
Temperature Ranges:

0° - 212° F (-17° - 100° C) Ambient

0° - 266° F (-17° - 130° C) Liquid



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Model Number	Needle Valve-X ₁	Inlet/Outlet Connection Type	Inlet/Outlet Connection Size	Flow Range-XXXX ₂
FM-3-1X ₁ 1144-XXXX ₂	0 = No 1 = Yes	FNPT	1/4"	0400 = 100 - 400 cc/min 0600 = 100 - 600 cc/min 1000 = 100 - 1,000 cc/min 1500 = 170 - 1,500 cc/min 2000 = 250 - 2,000 cc/min 2500 = 300 - 2,500 cc/min 3000 = 600 - 3,000 cc/min 4000 = 1,100 - 4,000 cc/min 5000 = 1,200 - 5,000 cc/min
FM-3-1X ₁ 6644-XXXX ₂		Parflare	1/4"	
FM-3-1X ₁ 6666-XXXX ₂		Parflare	3/8"	
FM-3-1X ₁ 6688-XXXX ₂		Parflare	1/2"	

FLOW CHARACTERISTICS

