

Integral Orifice Flow meter Series

PEK785



Applications

- Integral manifold head allows direct mounting of DP transmitters
- Ideal fluid types: liquid, gas, and steam
- Accuracy up to $\pm 0.75\%$ of discharge coefficient uncertainty
- Direct mounting capability processes requirements

Special features

- Integral manifold head allows direct mounting of DP transmitters
- Ideal fluid types: liquid, gas, and steam
- Accuracy up to $\pm 0.75\%$ of discharge coefficient uncertainty
- Direct mounting capability
- Maximum operating temperature up to 800 °C
- Maximum operating pressure up to 400 bar
- Suitable for liquid, gas and steam flow measurement

Features and Benefits

- Improves accuracy and repeatability in line sizes
- Reduces leak points by over 50% and minimizes line plugging
- Improves reliability with consistent installations
- Multivariable measurement for gas and steam

Primary

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Description

PEK785 Flowmeters integrate industry leading transmitters with industry leading primary elements. Capabilities include:

- Flow meters are factory configured to meet your application needs
- Output is 4-20 mA with HART protocols
- Ultra for Flow for improved flow performance across wider flow ranges
- Direct or remote mount configurations available

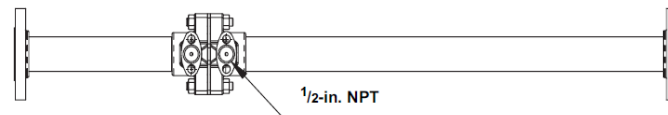
Technical Data

Transmitter Body Material	Aluminum Die Cast
Orifice flange Material	316 Stainless Steel
Line Size	½ Inch
	1 Inch
	1 ½ Inch
Process Connection	NPT Female
	Pipe Ends: Flanged, RF, ANSI Class 150,300,600
	Pipe Ends: Flanged, RTJ, ANSI Class 150,300,600
Orifice Plate Material	316 SST
Transmitter Connection Platform	Direct-mount, 5-valve Manifold, SST
	Remote-mount, 5-valve Manifold, SST
Differential Pressure Range	250 mBar, 500 mBar , 1 Bar
Transmitter Output	4–20 mA with digital signal based on HART protocol
Transmitter ingress protection	IP65
Transmitter Atex	Ex ia
Electrical Connector	M20 Or ½ NPTF

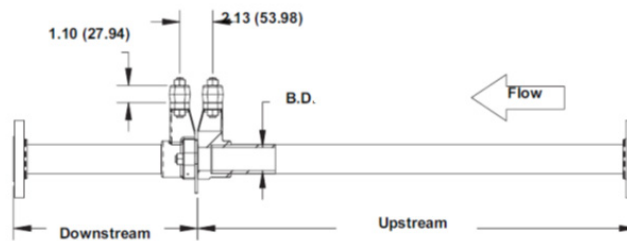
Dimensional Drawings

Dimensions are in inches (millimeters)

Top view



Bottom View



End View

