



FLOW



Technology Solutions



Compact Orifice Flow Meter

Tek-DP 16111

1 FEATURES


- A fully integrated solution eliminates the need for fittings, tubing, valve, adaptors, manifold & mounting brackets.
- Accurate and Repeatable.
- Easy-to-install direct mount assembly.
- Easy to use, prove, and troubleshoot.
- Short Straight Run Requirements.
- Accuracy $\leq \pm 0.5\%$ of the actual flow rate and a repeatability of the measurement of 0.1%
- Patented 4-hole design enables accurate flow measurement in disturbed flow profiles.

3 APPLICATIONS

- Chemical and petrochemical
- Process plants and power generation
- Water treatment and distribution
- Gas processing and transport
- Oil production and refining

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2 SPECIFICATION

Beta ratio	Standard 0.40 or 0.65 Customer-specific values are individually calculated, 0.4 / 0.65
Line sizes	½" to 16"
Accuracy	0.5% to 1.50%
Pipe size	2 ... 16" per ANSI/ASME, DN 50 ... 400 per EN Other sizes on request
Pressure ratings	Class 150, 300, 600 raised face (RF) per ANSI/ASME B16.5 Class 150 ... 2500 with raised face (RF) and ring-type joint (RTJ) per ANSI/ASME B16.5
Pressure Limit	Maximum Pressure retention per ANSI B16.5 600# or DIN PN100
Design	Square Edged Concentric
Material	AISI 316/SST , Special alloys on request (Orifice plate body Welded or turned from one piece Main body thickness: 25 ... 65 mm)
Pressure Taps	Options • NPT thread • Weld stub • Nipple Same shape and dimensions for all sizes and connection options
Service	Liquid / Gas / Vapor