

idVenturi™

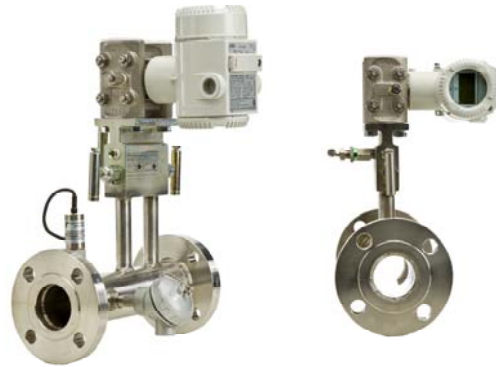
Venturi Tubes ASME / ISO Classical – Insert – Short Form



idFlow offers a complete line of Venturis, designed individually to meet specific flow measurement for optimum accuracy and high turn-down ratio (TDR)

FEATURES:

- Suitable for pipes from:
1/2"(13MM) to 48"(1200MM)
- Integral Transmitter Mount 3 or 5 valve manifold (IT3V-Option)
- Mass Flow Measurement with dynamic process compensation for pressure, temperature, and DP with Multivariable transmitter
- End connections: Threaded and wafer types (upto 3" - 75MM), Butt-weld, and Flanged (upto 2500# - 165 Bars)
- Insert styles are designed to be installed between existing flanges (series 200)
- Low pressure losses (High energy savings), low pumping costs (1/3 of orifice plate)
- Design Standards: ASME/MFC-3M, ISO-5167, ANSI B31.1, and BS-7045
- Materials: CS, SS, Alloy 20, Chrome Moly, and others: Monel, Hastelloy, Duplex SS, Etc.



PERFORMANCE SPECIFICATIONS:

Accuracy:	+/-0.75% Of Rate – Uncalibrated +/-0.5% Of Rate – Calibrated +/-0.25% Calibrated (Combined with DP Transmitter – IT3V Option)
Repeatability:	+/-0.1% Of Rate (Over entire flow range)
Process Temperature:	Up to 2000 Deg. F (1100 Deg. C)
Pressure Ratings:	Up To 3000 PSI (200 Bars)
Minimum Reynolds Number:	50,000 Rd
Maximum Pressure Loss:	5% to 14% of DP (Depends on pipe size)
Turn Down Ratio (TDR):	10 to 1 (Higher with stacked transmitters)
Discharge Coefficient:	Independent of Beta ratio and pipe size
Maximum Viscosity:	500 Cp (CentiPoise)