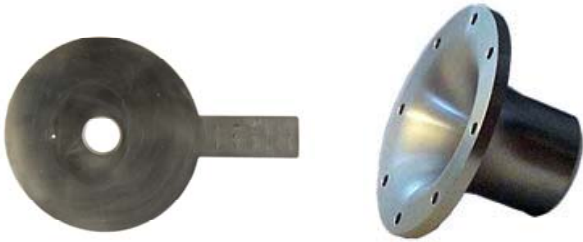


## idOrifice™ and idNozzle™

### Orifice Plate and ASME Flow Nozzle

Flanged Assembly – Meter Runs – Straightening Vanes – Accessories



idFlow manufactures orifice plates and ASME flow nozzles to the highest quality standards

#### FEATURES:

- Complete line of orifice plates: Paddle Type, Concentric square edge, Segmental, Eccentric, And Universal Type
- Suitable for pipes from: 1/2"(13MM) to 36"(900MM)
- Integral Transmitter Mount 3 or 5 valve manifold (IT3V-Option)
- Integral Orifice Type with meter run for Mass Flow Measurement with dynamic process compensation for pressure, temperature, and DP with Multivariable transmitter
- Flanged Orifice Assembly: 150#, 300#, 400#, 600# and higher – upto 2500#
- ASME Flow Nozzles, Weld-In and Flanged type
- ASME Straightening Vanes (Tube Bundle), Flanged and insert (wafer) types
- Meter Run as per ASME PTC-6 power code, From 4"(100MM) to 24"(600MM)
- Design Standards: ASME/MFC-3M, ISO-5167, AGA, API and ISA
- Materials: 304 and 316SS, Alloy 20, and others: Monel, Hastelloy, Duplex SS, Etc..
- Flow Sizing Reports for all type of pressure taps
- (Flanged, Corner, Radius, and pipe taps)



#### PERFORMANCE SPECIFICATIONS

<b>Accuracy:</b>	+/-1 % Of Rate (Orifice Plate) +/-0.5% Of Rate – (Flow Nozzle) +/-0.25% Of Rate – (PTC-6 Nozzle)
<b>Repeatability:</b>	+/-0.1% Of Rate (Over entire flow range)
<b>Process Temperature:</b>	Up to 2000 Deg. F (1100 Deg. C)
<b>Pressure Ratings:</b>	Up To 3000 PSI (200 Bars)
<b>Minimum Reynolds Number:</b>	10,000 Rd
<b>Maximum Pressure Loss:</b>	Approx. (1-Beta <sup>2</sup> )% Of DP-Max.
<b>Turn Down Ratio (TDR):</b>	4 to 1 (Higher with stacked transmitters)
<b>Maximum Viscosity:</b>	200 cP (centiPoise)