



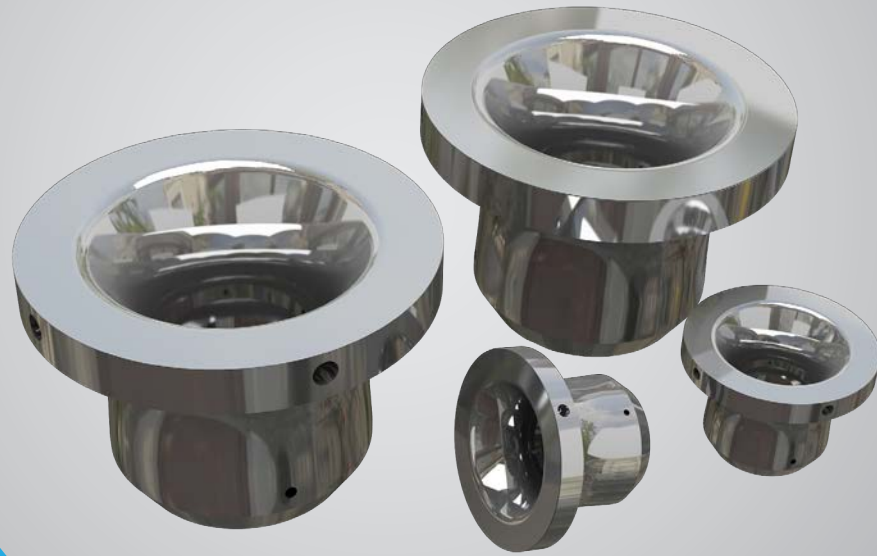
FLOW



Technology Solutions

Flow Nozzle

Tek-DP 1630A



1 FEATURES

- Suitable for Gas and Liquid High Quality Flow Measurement
- Applicable for high-pressure and high velocity, low-viscous / erosive process measurement
- Low Line Pressure Loss
- Large Fluid Type Flexibility
- Low maintenance no moving parts
- Easy Installation

2 APPLICATIONS

- Power Stations
- Petrochemical Plants
- Steam and Condensate Flows
- Water Supply and Treatment
- Gas Processing and Transfer
- Petrochemical - Refining
- Crude Oil Production

3 CONTACT US

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DESCRIPTION

Flow Nozzles are differential pressure flow meters designed for the measurement of both gas and liquids in a pipeline. Tek-Trol Flow nozzles ensure long-term stability and reliability in high-velocity applications, and also applications where cavitation or erosion may damage other flow meter types such as orifice plate meters.

Our Flow-Nozzles are designed / manufactured using ISO and ASME standards.

4 SPECIFICATION

Accuracy	Typical accuracy is 1-2% of full range flow measurement uncertainties of $\pm 0.25\%$ of the actual flow rate are available when flow calibrated.
Design	Design calculations based on the following standards: ISO 5167-3, ASME MFC3, ASME B31.1, B31.3, or other standards, as required.
Pressure Ratings	Ranging from ANSI 150# to API 15000 PSI, Consult factory for special pressure applications
Flow Turndown	Typically: >10:1, depending on the Transmitter configuration and rangeability
Pipe Materials	A216 WCB, A216 WCC, A352 LCC, A358 CF8M, A995 Gr4A, A995 Gr6A, Custom: Duplex stainless steels etc.
Nozzle Material	AISI 4130 Carbon Steel, 316 or A351 Stainless Steels, Custom
Tap Connections	Two 1/2" NPT (high / low pressure) per standard design
Pipe Sizes	1" to 48", Custom sizes available for special applications
Manufacturing Standard	ISO-5167 Part 3, ASME PTC-19.5, ASME PTC-6
Operating Temperature	-250 °C to +650 °C (-425 °F to +1200 °F) material dependent
Operating Position	Vertical or horizontal
Process products	Liquid, Gas, Steam
Assembly Type	Flange, Welded , Holding Ring
End Connection	Flanged end, Socket welded, Butt welded