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PFS ASME Long Radius Flow Nozzle

Brand: Primary Flow Signal

Short Description

2.00% Uncalibrated Uncertainty Liquids and Gases, High-Velocity Flow Line size: 2 to 24 inches Head loss % of Differential: 30 to 85 percent, Beta Dependent Recommended Pipe Reynolds number: Greater than 10,000 for basic accuracy

Description

The Long Radius Flow Nozzle is generally used for the measurement of liquid or gas flows including steam, non-viscous, erosive and high-velocity media. It does not rely on a sharp edge (which can deteriorate over time) to maintain accuracy and therefore offers excellent long-term accuracy with less wear, reducing the possibility of measurement error over time. Flow nozzles are capable of measuring higher flow rates, often double, than an equivalent orifice plate at the same differential pressure. The flow nozzle is available in various designs including mechanically clamped between flanges or permanently welded directly into the pipe line.