

Flow Nozzle

Flow nozzle is a flow measurement device which is used for measuring high velocity flow, such as high pressure steam. It can also be used with other fluids such as water, air or other gases. The typical profile of this device offers a smooth passage to the fluid which leads to the lesser pressure drop and thus more efficient. The rounded profile is particularly useful when the steam contains particles which damage the edges of the flow element which doesn't happen due to the smooth profile. Thus the product life increases.

Flow Nozzles feature is an elliptical inlet that increases velocity, decreases pressure and leads into a cylindrical throat to DP measurements. This design allows sweep-through of particles in the flow stream, reducing risk of nozzle damage. Directly welded into the line to reduce potential leaks, this nozzle is also erosion- and corrosion-resistant and performs well in many high temperature and high velocity applications, including water, vapor, steam and gas.

ADVANTAGES

- Widely used for high pressure and high temperature steam flow
- Useful for flow measurement at high velocities
- Rounded Inlet which is not subject to wear or damage, extending product life
- Better sweep-through effect for debris and liquids, eliminate damming effect
- Lower susceptibility to erosion
- Extended Product Life with no moving parts

SALIENT FEATURES

- Best suitable for measurement of high velocity steam, high pressure and high temperature
- Smooth profile and rigid structure makes the assembly extremely stable.
- Free from leakage (when provided in welding type assembly).
- Zero maintenance since no moving parts.
- Less straight lengths requirement.

