

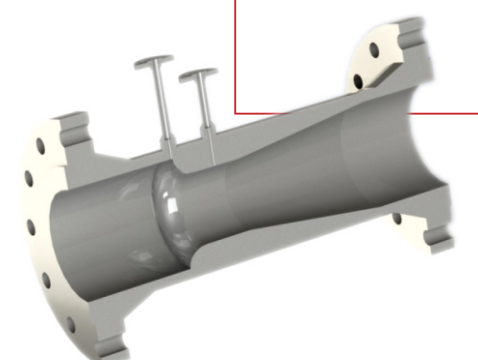
The Venturi Nozzle is an attractive solution for measurements with high accuracy and low residual pressure loss requirements. This Nozzle has the same features as the ISA 1932 Nozzle except the residual pressure loss is lower.

The profile of the Venturi Nozzle is axisymmetric. It consists of a convergent section, with a rounded profile, a cylindrical throat and a divergent section. A venturi nozzle can be achieved as truncated alternative. The divergent portion may be truncated up to 35% of its length. At large sizes there is the possibility to go for a sheet metal downstream cone. The upstream tap location shall be corner taps and the throat pressure taps shall comprise at least four single pressure leading into a annular chamber. Depending on customer requirements, the typical 1/2 in. or 3/4 in. tappings have a but or socket weld, screw thread or flange connection. Tappings maybe equipped with condensate chambers and shut-off valves.

The typical uncertainty of uncalibrated Long Radius Nozzles is +/- 1.5%.

When the divergent angle is not greater than 15° the relative value of the pressure loss can be accepted as being generally between 5% and 20%.

The Venturi Nozzle is the best solution if short upstream lengths and lower costs are required in comparison to a Venturi Tube.






Code Element Type TR Truncated NTR Non-Truncated		Code Option 0 None Other See Table-7
Code Element [Throat] Material A105 ASTM A105 F304/L A182 Gr.F304 / F304L F316/L A182 Gr.F316 / F316L F11 A182 Gr.F11 F12 A182 Gr.F12 Mo Monel Other Please Specify		Code Pressure Tap Size XX Please Define Eg: 1/2" NPT [F] For Threaded 1/2" 600# WNRF For Flanged 1/2" SW For Welded
Code End Flange Details XX Please Define eg; 100NB 600# Sch80 WNRF		Code Pressure Tap Type T Threaded F Flanged W Welded
		Code Element [Throat] Material A105 ASTM A105 F304/L A182 Gr.F304 / F304L F316/L A182 Gr.F316 / F316L F11 A182 Gr.F11 Other Please Specify

ORDERING INFORMATION

VN400 # M-ISAN-NTR-F304L-100NB 600# 1.25" thk WNRF-F-1/2" 600#WNRF-Op0

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