

Venturi Tubes



A venturi is suitable for measuring liquids, gases or steam flow. Since the venturi offers no sharp edge protrusions into the flowing stream it is particularly useful in accurate flow measurement of any fluid containing suspended solids.

VENTURIS offer the best repeatability and pressure recovery, due to the continuous geometry of the contraction, throat, and divergent sections. The low overall pressure loss characteristic of a Venturi, reduces operating costs and head requirements of prime movers in systems. Experience has shown that Venturis have less stringent up- and downstream piping requirements than other flow systems.

Venturis are offered with several geometries. A particular geometry may be recommended by our Application Engineers based on the user's specific application, compliance requirements, beta ratio (throat diameter to inlet pipe internal diameter) and line size, in order to determine the best combination of performance and economy. Classical Herschel-Type Venturis consist of a conical inlet section, cylindrical throat section, and conical divergent section. Meters with line sizes less than 8 inches are machined, while larger line sizes are fabricated. Beta ratios are offered from 0.4 to 0.75. Combination of ISA 1932 Nozzle and classical venturi is known as Venturi Nozzle

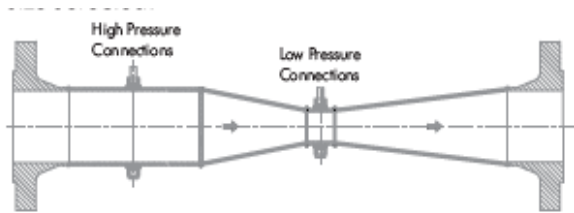


Venturi Nozzle

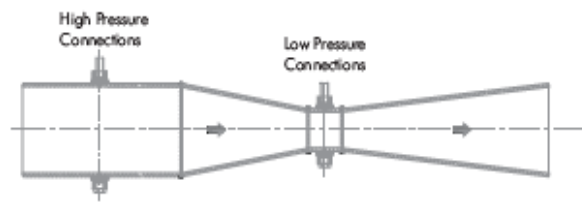


Machined Venturi

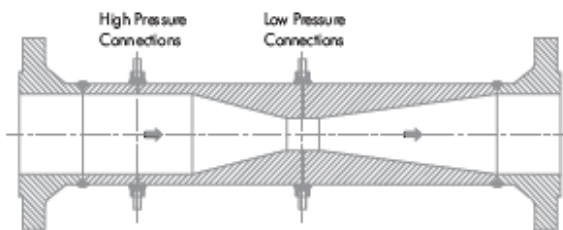
Various constructions available in venturi tubes



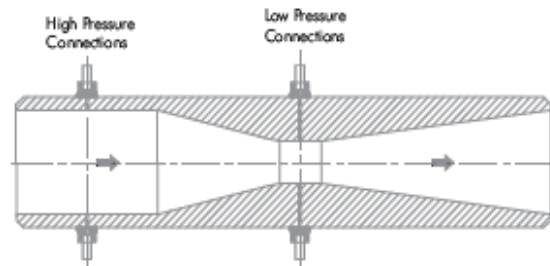
Fabricated with Flanged ends



Fabricated with Weld ends



Machined with Flanged ends



Machined with Beveled ends

