

Venturi Tubes



Venturi Tubes for Flow Measuring
as a Differential Pressure Devices

Classical Venturi Tube or HERCHEL Type

Series VTCH

✓ Principle

VTCH Classical Venturi tubes are used as primary elements in flow measurement of steam, liquid and gas according to the differential pressure principle.

✓ Construction

Design standards : ISO 5167-4 and ASME MFC-3M

Sizes : DN 100 - 800 according to ISO 5167

Bore/diameter (β) : $0.3 \leq \beta \leq 0.75$

Pressure rating : PN 10 - 640, 150 - 2500 lbs., ISO PN 20 - 420

Material : Stainless Steel (Especially AISI 316 and other types), Carbon Steel, Monel, Inconel, Super Duplex, 6Mo and others on request.

Mounting style : But Weld ends according to DIN 2559 or ANSI B16.25, Flanges acc. to DIN, or ANSI B16.5 standards.

Pressure taps : But Weld ends \varnothing 21.3 mm, 26.9 mm, thread connection 3/8", 1/2" BSP, 1/2" NPT, Or any other type on request.

Tappings : Single pressure tappings or 4x2 tappings each arranged with an external annular ring to equalize the pressure

Outlet Cone : 7 - 15° according to ISO 5167 or ASME MFC.

✓ Technical Data

Accuracy : 0.7 % (according to ISO 5167-4)

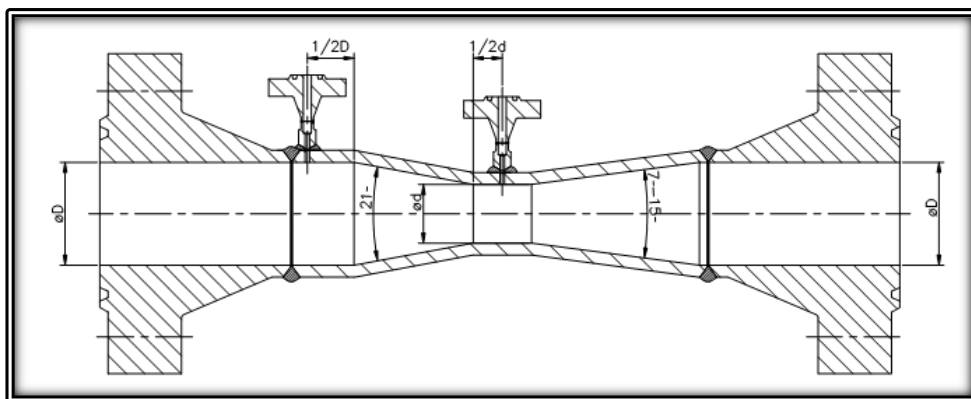
Pressure loss : Depending on outlet cone between 10 - 15 %
of the differential pressure measured

Limits for Re. No. : $2 \times 10^5 < Re < 2 \times 10^6$

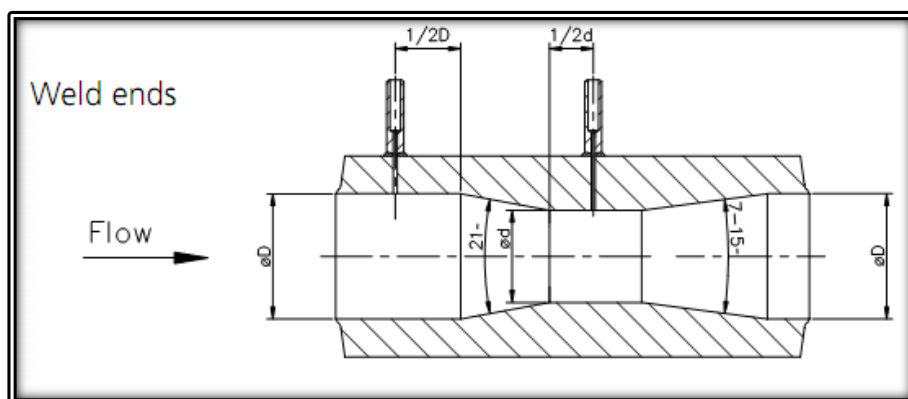
Accessories : Shut-off valves and condensing chambers for steam flow.

End Connections: We can connect it to the pipe line by one of these
there methods, as shown below:

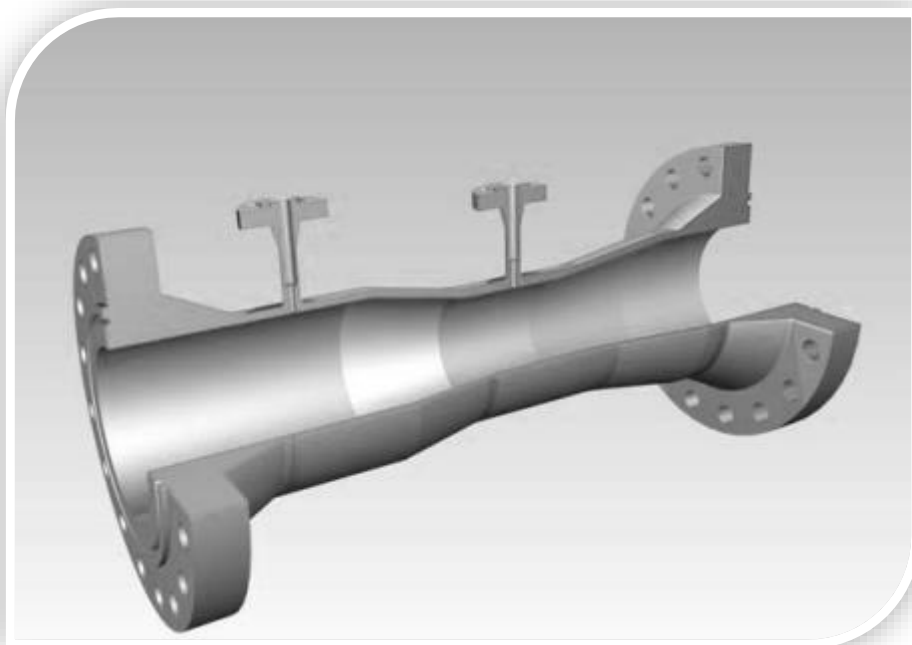
- Flanged



- Weld in, or BUT WELD



A sample section of Venturi Tube:



Some Samples of Venturi Tube:

