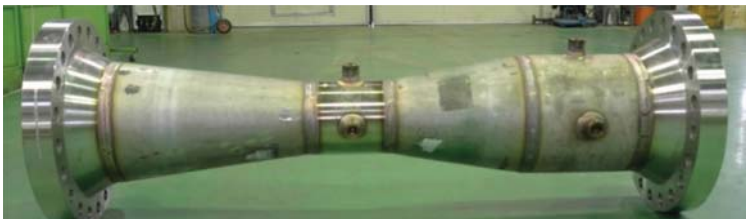
# Venturi Tube

## Model : WZ 700 Series

## DESCRIPTION

Here is introduce the measuring primary devices of fluid flow by means of the differential pressure that is venturi tube to use when is important to keep lower permanent pressure loss than other primary device.

Comparing with Orifices and Flow Nozzles, the Venturi tube generally have a little complicated structure, required higher material and costs, and tend to be larger in size. However, venturi tubes offer advantages including an extremely smaller pressure loss, a sludge media and sediment than other throttle elements.
The venturi tube mostly used for measurement of flow wherever is important to keep the net permanent pressure loss at a minimum.



**WEIZEN** is designed and manufactured the venturi tube in full compliance with ISO 5167 and ASME MFC-3M standards.

## SPECIFICATION

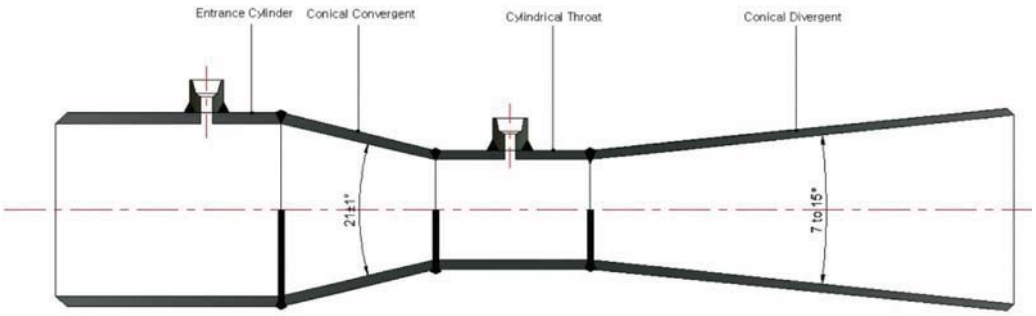
■ Venturi Tubes type
- Machined Type
- Rough Weled Type
- Tetragon Duct Type
- Tapless Type

■ Flow Calculation Standards
- ISO 5167
- ASME MFC 3M

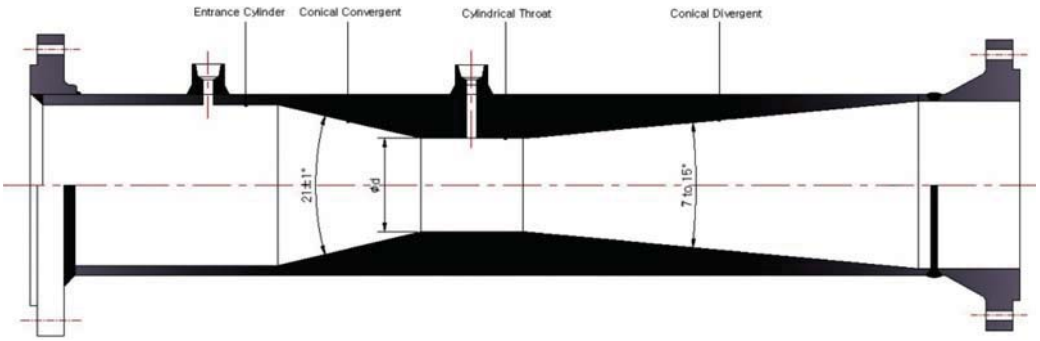
■ End Connection
- Butt-Weld
- Flanged [Welding Neck and Slip On]

## Designed

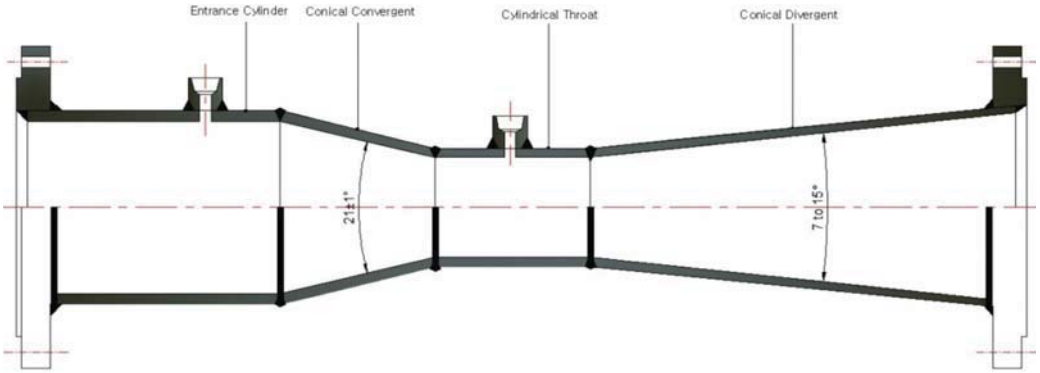
Generally, Venturi tube with a machined convergent section can be used in pipes of size between 2B and 10B. However, in the case machined type is of large size 8B and 10B, they have disadvantages because of required higher costs due to huge material consumed.




Rough Welded Butt Welding




Machined Flanged




Rough Welded Flanged

## WEIZEN Standards

Conical Convergent Angle : 21° ±1°
Conical Divergent Angle : 14° ±1°
Tapping Adaptors : 1/2" NPT
Others are available on request [Example : 1/2" S.W, 3/4" NPT or S.W]
Tapping Nos. : One(1) Upstream pressure tapping and one(1) Downstream pressure tapping
There may be used with serveral sets of pressure tappings on request.
[Example : Averazing Equalizer Pressure tapping No. four(4).]
End Connection : Flanged connection is available on request as Weld-Neck or Slip-On Type.
Butt-Welds