



VENTURI TUBE

Features

- Venturi Design as per BS EN ISO 5167
- Bi-Directional & Uni-directional Design available
- Range of Venturi Types
 - 1) Classical Venturi Tubes
 - 2) Venturi Nozzles
- Construction Fabricated / Machined
- Flanged or Weld-In Construction
- Available in wide variety of materials
- No moving parts, simple construction
- Maintenance Free



Description

Electronet series Venturi is the second most common differential pressure primary flow element. It is based on proven technology, has no moving parts and is suitable for high temperature and pressure applications. Venturi tubes offer advantages including an extremely low pressure loss, a higher durability and a lower chance of catching a sludge media and sediment than other throttle elements. The Venturi tube is mostly used for measurements of flow wherever a minimal loss of pressure is important. The major advantage of the Venturi over orifice plates and flow nozzles is in the area of pressure recovery. Typically, unrecovered pressure is in the region of 10 - 30% of measured DP as opposed to 40 - 90% for an orifice plate (depending on beta ratio).

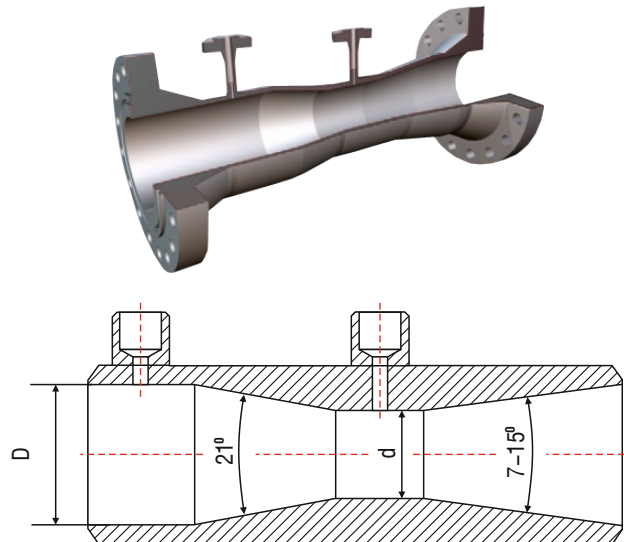
Technical Specifications

Line Size	Type A : 100 - 600 NB (4" - 24")		
	Type B : 50 - 250 NB (2" - 10")		
	Type C : 200 - 1200 NB (8" - 48")		
Types	Type A : Cast Convergent Section		
	Type B- Machined Convergent		
	Type C - Rough Welded Sheet- Iron Convergent Section		
Accuracy	Type A : $\pm 0.7 \%$,	Type B : $\pm 1.0 \%$	Type C : $\pm 1.5 \%$

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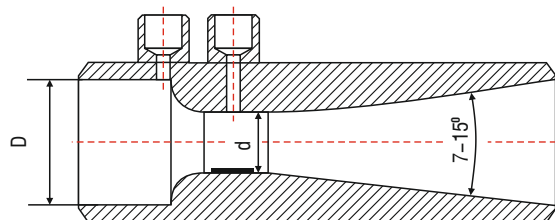
Classical Venturi

The basic design Classical Venturi (Machined) is as shown



Venturi Nozzle

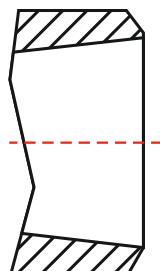
The basic design Venturi Nozzle (Machined) is as shown



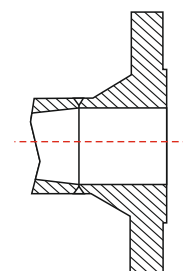
End Connections

Venturis are available with ends prepared for welding into the pipeline, or fitted with flanges.

End Prepared for Welding



Flange Weldneck



Ordering Information

Sample Order Code : 01K-70E-71G-97F-98C-101D-102A-103B-104B-105C-138B-139C-140B

Parameter		Code	Value				Parameter	Code	Value		
01	Line Size	01A	15 NB	01I	100 NB	01Q	450 NB	98	Tapping Pairs	98A	1
		01B	20 NB	01J	125 NB	01R	500 NB			98B	2
		01C	25 NB	01K	150 NB	01S	600 NB			98C	3
		01D	32 NB	01L	200 NB	01T	700 NB			98X	Other
		01E	40 NB	01M	250 NB	01U	800 NB			98Z	NA
		01F	50 NB	01N	300 NB	01V	900 NB			101A	½" NPT (M) C.S.
		01G	65 NB	01O	350 NB	01W	1000 NB	101B	½" NPT (M) S.S.		
		01H	80 NB	01P	400 NB	01X	Other	101C	½" BSP C.S.		
		70	Flange Standard	70D	ASME B 16.36				101	Plug Size & MOC	101D
70E	ASME B 16.5				101X	Other					
70F	ASME B 16.47 (A)				101Z	NA					
70G	ASME B 16.47 (B)				102A	IBR					
70X	Other				102B	NON IBR					
71	Flange Rating			71A	ANSI 150#						102
		71B	ANSI 300#				102X	Other			
		71C	ANSI 600#				102Y	None			
		71G	ANSI 900#				103A	Machined Convergent			
		71H	ANSI 1500#				103B	Rough Welded Sheet Iron			
		71I	ANSI 2500#				103C	Cast Convergent			
97	D.P. Type Flow Meter Accessories	71X	NA				104	Venturi End Connection	104A	Flanged	
		97A	3 way manifold valve, T Type SS304						104B	Butt Welded	
		97B	3 way manifold valve, T Type SS316				105	Venturi Type Of Tapping	105A	Threaded	
		97C	5 way manifold valve SS304						105B	Socket Weld	
		97D	5 way manifold valve SS316						105C	Welding Nipple	
		97E	3 way manifold valve,H Type SS304						105X	Other	
		97F	3 way manifold valve, H Type SS316				138	Convergent Cone MOC	138A	516 GR 60	
		97G	5 way manifold valve SS304						138B	SS 316	
		97H	5 way manifold valve SS316						138C	SS 304	
		97I	Impulse Tubing 10mm OD SS Tube						138X	Other	
		97J	½" NPT (M) X 10MM OD Connector				139	Divergent Cone MOC	139A	516 GR 60	
		97K	½" NPT (F) SS304 Needle Valve						139B	SS 316	
		97L	½" NPT (F) SS 316, Needle Valve						139C	SS 304	
		97M	10mm OD SS Tube TEE						139X	Other	
		97N	10mm OD SS Tube Elbow				140	Throat MOC	140A	SS 316	
		97O	½" NPT (M) Nipple						140B	SS 304	
		97P	Condensing Pot size: 3" Dia x 12" length / SCH 40 / Matl: A106 GR B / IBR						140X	Other	
97	D.P. Type Flow Meter Accessories	97Q	Condensing Pot size: 3" Dia x 12" length / SCH 40/ Matl: A106 GR B/ NON IBR				Note ➤ Due to our continuous product revisions, design specification and model numbers are subject to change without notice. ▪ Accuracy defined at Lab Conditions. ▪ For other requirement please consult factory.				
		97X	Other								
		97Z	NA								