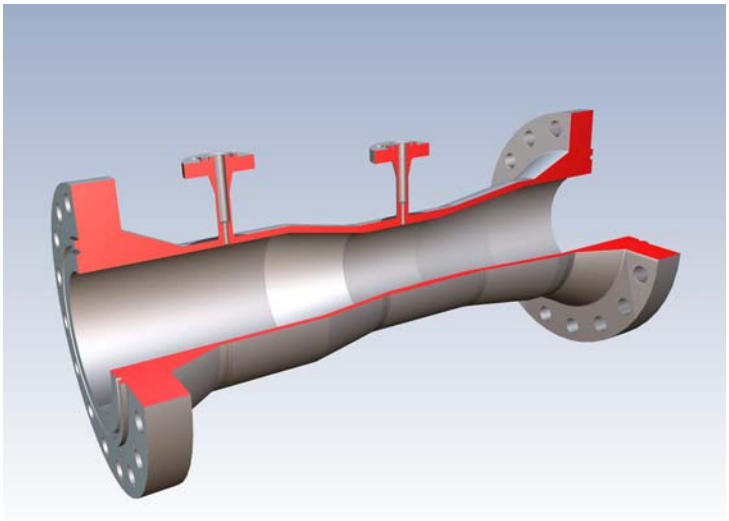
EMCO Classical Venturi Tube Machined, Type KVR with Weld ends or Flange Connection

Principle

EMCO 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, ASME MFC-3M
Sizes	:	DN 50 - 250 according to ISO 5167, 2" – 10" according to ASME, other sizes on request.
Beta (d/D)	:	$0,4 \leq \beta \leq 0,75$
Pressure rating	:	PN 10-640, 150-2500 lbs, ISO PN 20-420.
Material	:	Carbon steel, AISI 316, Duplex, 254 SMO others on request.
Mounting style	:	Weld ends according to DIN 2559 or ANSI B16.25. Flanges acc. to DIN or ANSI B16.5 standards or Grayloc Clamp connections.
Pressure taps	:	Weld ends Ø 21.3 mm, 26.9 mm, thread connection 3/8", 1/2" BSP, 1/2" NPT, or flanged.
Tappings	:	Single pressure tappings or 2x4 tappings each arranged with an external annular ring to equalise the pressure.
Outlet cone	:	7 – 15 °



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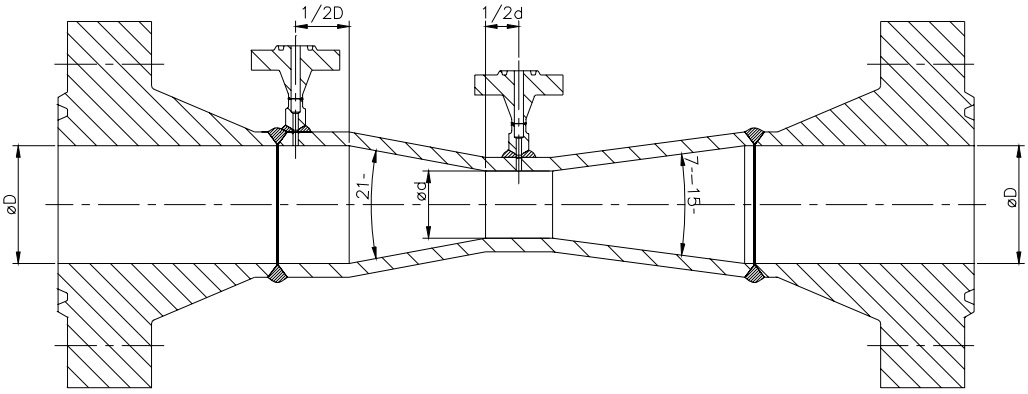
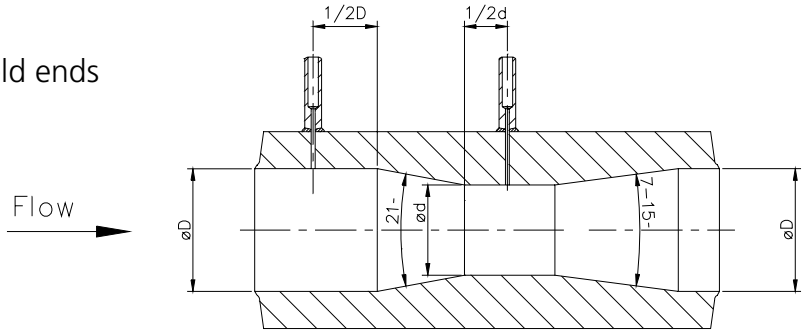
Technical Data

Accuracy	:	1 % (according to ISO 5167)
Pressure loss	:	Depending on outlet cone between 10 - 15 % of the differential pressure measured
Limits for Re. No.	:	$2 \times 10^5 < ReD < 2 \times 10^6$ according to ASME
Accessories	:	Shut-off valves and condensing chambers for steam flow.

Flanged



Weld ends



Clamp connection