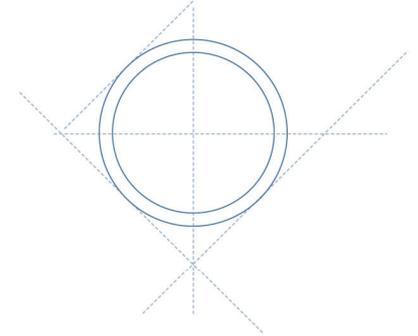


## EMCO Classical Venturi Tube as Cast, Type KVR with Weld end or Flange Connection



### Principle

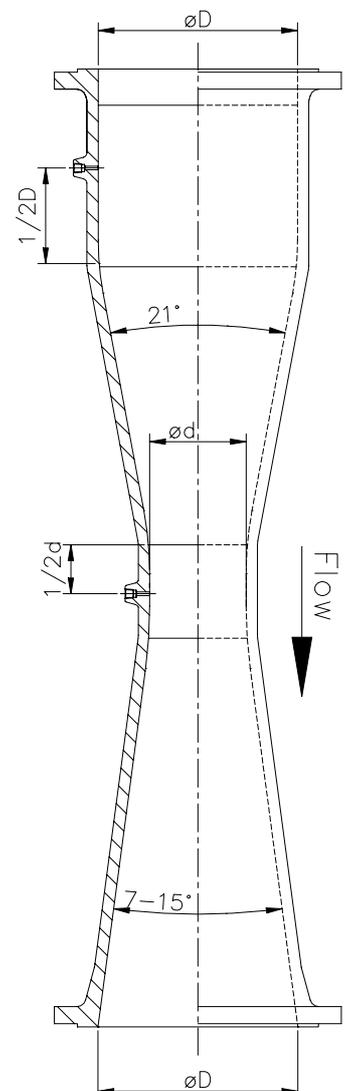
EMCO classical venturi tubes are used as primary elements in flow measurement of steam, liquid and gas according to the differential pressure principle.

### Construction

Design standards	: ISO 5167-4 and ASME MFC-3M
Sizes	: DN 100 - 800 according to ISO 5167
Bore/diameter ( $\beta$ )	: $0,3 \leq \beta \leq 0,75$
Pressure rating	: PN 10 - 640, 150 - 2500 lbs, ISO PN 20 - 420
Material	: Carbon steel, AISI 316, 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 Clamp connections like Grayloc
Pressure taps	: Weld ends $\varnothing$ 21.3 mm, 26.9 mm, thread connection 3/8", 1/2" BSP, 1/2" NPT
Tappings	: Single pressure tappings or 4x2 tappings each arranged with an external annular ring to equalise the pressure
Outlet cone	: 7 - 15°

### 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.	: $2 \times 10^5 < ReD < 2 \times 10^6$
Accessories	: Shut-off valves and condensing chambers for steam flow.



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