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 (β) : 0,3 ≤ β ≤ 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 Ø 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 x 10⁵ < ReD < 2 x 10⁶
Accessories : Shut-off valves and condensing chambers for steam flow.