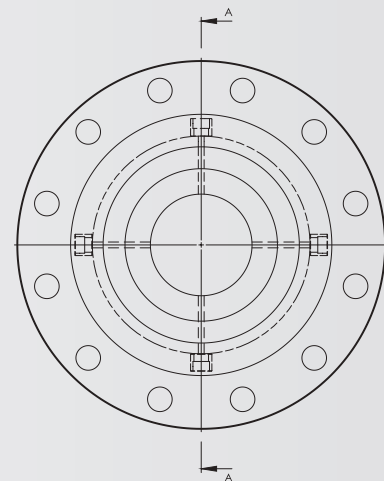
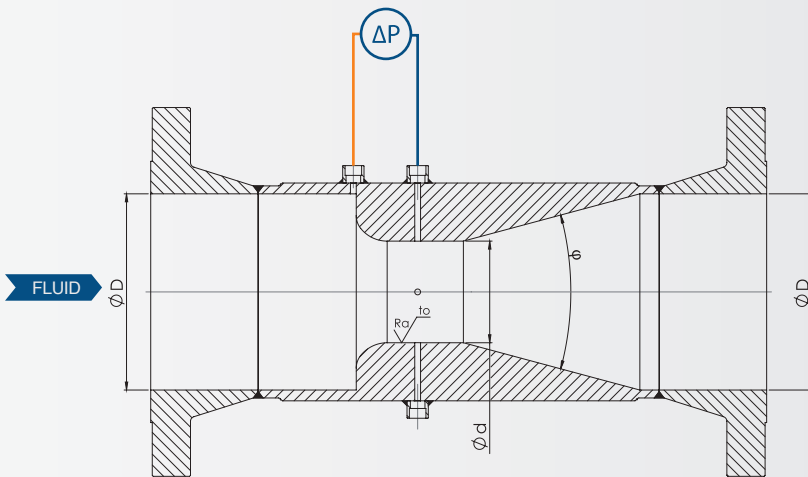
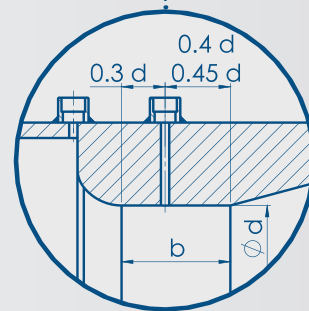
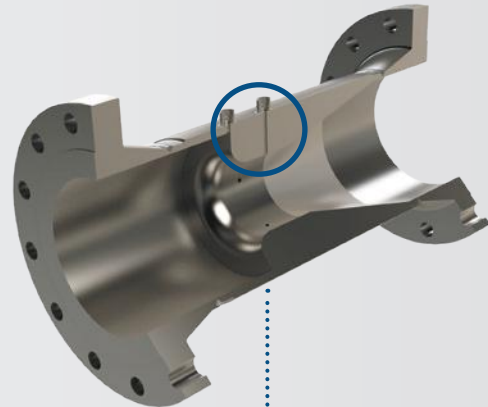


VENTURI-NOZZLE MACHINED OR WELDED CONSTRUCTION

Suitable for large flow rates with low permanent pressure drop

GENERAL DATA

- Standards: ISO 5167-1&3 or ASME MFC-3M
- Weld-end (BW) or flanged connection⁽¹⁾
- Material:
 - o Standard: carbon steel, stainless steel
 - o Others⁽¹⁾: according to your application
- Fluid: liquid, gas, steam
- Pipes from ϕ 65 to 500 mm
- Accuracy: > 1.2 % of the max flow rate
- Repeatability of measurement: 0.1 %



Throat pressure taps: annular chambers or four tappings with a «triple-T» arrangement

TECHNICAL CHARACTERISTICS

ISO 5167-1&3 & ASME MFC-3M

| TECHNICAL CHARACTERISTICS | | ISO 5167-1&3 & ASME MFC-3M |
|---------------------------|--|--|
| Re_D | Reynolds number in the pipe | $1.5 \cdot 10^5 \leq Re_D \leq 2.10^6$ |
| D | Inside pipe diameter | $65 \text{ mm} \leq D \leq 500 \text{ mm}$ |
| d | Orifice diameter | $d \geq 50 \text{ mm}$ |
| β | d/D | $0.316 \leq \beta \leq 0.775$ |
| Ra | Roughness of upstream face and internal surfaces | $Ra \leq 10^{-4} \cdot d$ |
| b | Cylindrical throat length | $b = 0.7 \cdot d \text{ to } 0.75 \cdot d$ |
| φ | Exit divergent angle | $\varphi \leq 30^\circ$ |

⁽¹⁾ For more details, see «Technical information» section on page 54.