

PITOT TUBE

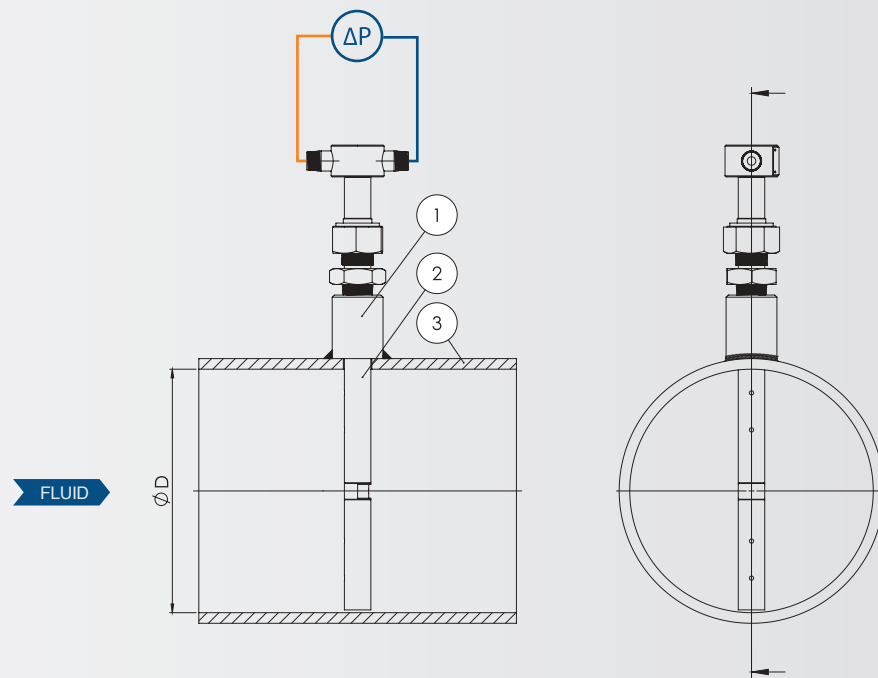
Suitable for flow measurement in large pipes,
for installations with low pressure

GENERAL DATA

- Standard: ASME MFC-12M
- Measurement averaged over the entire length of the tube
- Mounting on the pipe:
 - o compression fitting
 - o flange: ISO PN 2.5 to PN 420 or ASME 150# to 2500#
 - o retractable
- Material:
 - o Standard: stainless steel 304L / 316L
 - o Others⁽¹⁾: according to your application
- Fluid: liquid, gas, steam
- Pipes from ϕ 100 to 5 000 mm
- Accuracy: contact us
- Repeatability of measurement: 0.1 %



MARK	DESIGNATION
1	Boss
2	Pitot tube
3	Pipe



TECHNICAL CHARACTERISTICS

TECHNICAL CHARACTERISTICS		ASME MFC-12M
Re_D	Reynolds number in the pipe	$Re_D > 1.2 \cdot 10^4$
D	Inside pipe diameter	$100 \text{ mm} \leq D \leq 5\,000 \text{ mm}$
L1	Upstream straight length	$L1 \geq 7 \cdot D$
L2	Downstream straight length	$L2 \geq 3 \cdot D$
P	Maximum allowable pressure	$P \leq 600 \text{ bar}$
T	Maximum allowable temperature	$T \leq 1\,300 \text{ }^\circ\text{C}$
μ	Maximum fluid viscosity	0.2 Pa.s

In case of extreme conditions, a calculation to check the mechanical resistance will be carried out according to ASME PTC 19.3.

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