CONE METER

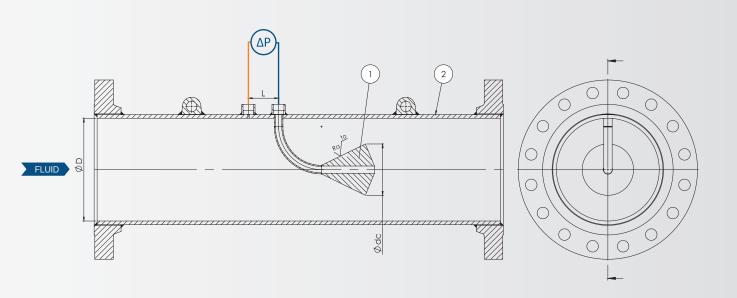
Suitable for short straight lengths and low flow rates

GENERAL DATA

- Standard: ISO 5167-1&5
- 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 50 to 500 mm
- Accuracy: 5 % of the max flow rate
- Repeatability of measurement: 0.1 %

MARK	DESIGNATION
1	Cone
2	Tube





TECHNICAL CHARACTERISTICS		ISO 5167-1&5
Re _D	Reynolds number in the pipe	$8.10^4 \le \text{Re}_{\text{D}} \le 1.2.10^7$
D	Inside pipe diameter	50 mm ≤ D ≤ 500 mm
В*	dc, diameter of the cone at the point where its circumference is maximum	0.45 ≤ β ≤ 0.75(2)
Ra	Cone surface roughness	Ra<5.10 ⁻⁴ .d _c
R ₁	Bending radius of the cone at its maximum circumference	$R_1 < 0.000 \; 5.d_c \; ou < 0.2 \; mm$
L	Distance between upstream and downstream pressure tap	50 mm ≤ L ≤ 2.D

 $[\]ensuremath{^{(1)}}$ For more details, see «Technical information» section on page 54.

 $^{^{(2)}}$ For β > 0.75, the cone meter needs to be calibrated.