## Product info Z: Cylindrical-Pitot-Tube (according to VDEh)

This cylindrical pitot-tube is suitable for measurements in tube-systems with small openings.
This pitot-tube has a factor of $c=0,79 . .0,83$ (see calibration certificate).
The velocity can calculated with a simple formula.
Advantage: fits through openings with Ø 15 mm .
Disadvantage: Sensitively when contorting over an axis vertically to the direction of the flow.
In small tube-diameters ( $<100 \mathrm{~mm}$ ) faulty-measurement through tube-wall-effects.
An influence of the gas flow on the factor cannot be excluded.
Accuracy below 5\% only with corresponding factor at the corresponding flow velocity.

The static pressure is grasped at the top. The total-pressure (dynamic + static pressure) is grasped at a hole against the flow direction. The difference pressure can be measured with all manual gauges or digital difference-pressure-measuring instruments.

## Cylindrical Pitot Tube:

| nominal <br> length <br> $[\mathrm{mm}]$ | $\emptyset$-outer <br> $[\mathrm{mm}]$ | Art.-No. | available material ${ }^{* 1}$ <br> $\mathrm{~A}=1.4541: \mathrm{T}_{\max } 500^{\circ} \mathrm{C}$ <br> $\mathrm{C}=1.4841: \mathrm{T}_{\max } 1000^{\circ} \mathrm{C}$ |
| :---: | :---: | :---: | :---: |
| 1000 | 15 | $53.15-3-$ | $-\mathrm{A} /-\mathrm{C}$ |
| 2000 | 20 | $53.20-5-$ | $-\mathrm{A} /-\mathrm{C}$ |


${ }^{* 1}$ material: stainless steel: 1.4541 up to $500^{\circ} \mathrm{C}$, material: stainless steel: 1.4841 up to $1000^{\circ} \mathrm{C}$,

Exit of the pressure tube: hose-olive for hoses with inner-Ø 6 up to 10 mm tube $10 \times 1$ smooth.

## Other lengths can be manufactured on inquiry.

## Mounting for Pitot-tubes

The mounting is used for solidly installing a pitot-tube at the pipeline. Through solving of the stuffing box, the pitot-tube can push easy into each position and can be fixed afterwards again.


Art.-No.: 47.5

