TECHNICAL INFORMATION SR.Va-200

Accessory ■ Sensor ■ Pivot Tube ■ for IY.... / IR.... Differentail Pressure Sensors

Picture

Symbol picture

Accessory

The pivot tube are suitable for all pi sensors / sensors of the IY.Ex-.. and IR.Ex-.. series for explosion-proof applications or IY.Nc-.. and IR.Nc-.. for industrial applications.

SR.Va-200	Thermowell 200 mm

Technical Data

Material tube	Stainless Steel V2A/AISI304
Material flange	Brass plated
Sleeve	Outer diameter 3 mm
Process threat	G1/2, SW27
Pressure	40 bar
Temperature range	-40 ...125°C
Lenght	200 mm
Delivery	1 x pivot tube and clamp adapter

Highlights

- Simple assembly by screwing in the components
- Fast, safe installation
- Proven technology
- Easy replacement
- Protection against aggressive media

Description

Prandt'l Pitot tubes are used in conjunction with differential pressure gauges to determine pressure, speed and volume flow in air ducts. Prandt'l Pitot tubes are wear-free and insensitive to handling and use. Accurate and reproducible measurement results can be achieved with little effort. One advantage of flow measurement with Pitot tubes is that there is no flow of air or gaseous medium. The flow speed is only determined by the existing differential pressure. As a result, there are no deposits of dust or similar. The measuring method can therefore also be used with difficult media, such as dust-containing exhaust gases or gases with combustion residues. Our stainless steel Pitot tubes can be easily cleaned with solvents or dry compressed air thanks to their robustness.

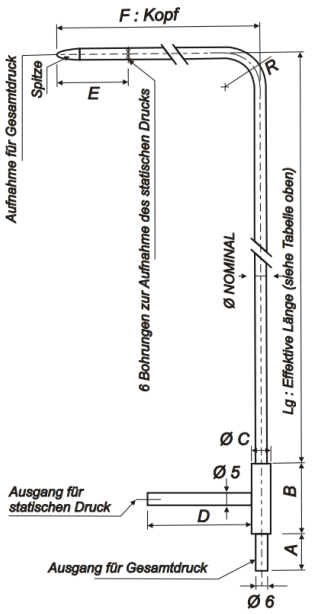
Mounting/Function

The pitot tube is inserted into the pipeline and must be held in the direction of flow (<10° deviation). Strongly turbulent flows affect the accuracy of the measurement. An appropriately undisturbed inlet and outlet section must be ensured. The total pressure (+), recorded by the hole in the tip of the pitot tube, is connected to the connection of the pressure gauge marked (+). The static pressure (-), recorded by the 6 holes arranged in a ring, is connected to the connection of the marking (-) on the pressure gauge. The result is the dynamic pressure caused by the flow.

Safety Notes

Excessive mechanical and improper stress must be avoided.

Dimensions



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Diagramm