

SCHMIDT® Flow Sensors for Applications in Cleanrooms

Product Advantages

- ✱ Design matches GMP. No edges, smooth and minimized surface
- ✱ Desinfectible by alcohol and H₂O₂
- ✱ Long term stable signal over years
- ✱ Specialised on smallest flow velocities starting at 0,05 m/s
- ✱ Calibration Certificate according ISO 9001 available on request.
- ✱ Released for use in GMP environments from leading manufacturers.

Range of Sensors for Cleanrooms



SCHMIDT® FlowSensor SS 20.400

The Sensor with Direction detection

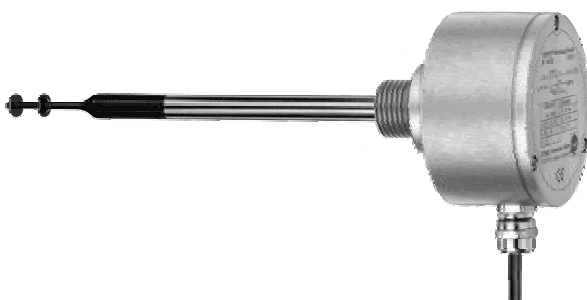
- ✱ With direction detection and bidirectional measuring
- ✱ Electronic integrated in sensor tube
- ✱ Special versions for LF monitoring available



SCHMIDT® Flow Sensor SS 20.515 / 516

The Unique Laminar flow Sensor

- ✱ Special Ceiling Mounting, fitting to nearly every frame system
- ✱ Ideal measuring range 1m/s
- ✱ Industry Standard output signals 0..20 mA, 4..20 mA, 0..10 V



SCHMIDT® Flow Sensor SS 20.501 / 502

The Universal Cleanroom Sensor

- ✱ Universal for Laminar Flow or In-duct measurement
- ✱ Compact sensor or remote sensor Tip
- ✱ Measuring ranges 1 m/s to 35 m/s

Examples of successful Applications



Laminar-flow Monitoring SS 20.502 under LF-Ceiling.
The transformer is mounted in the false ceiling.



Special mounting over filling station with low positioned **Flow-Box**.

Application Report Flow Sensors

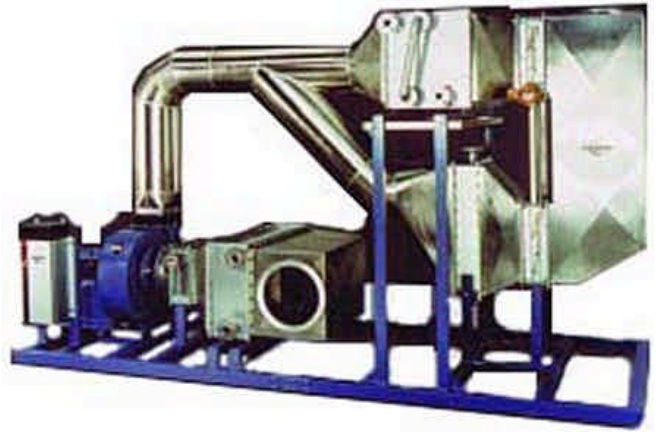


SS 20.501 in the Isolator of a filling station for fluid pharmaceuticals. Right picture shows complete filling station.



Over-pressure monitoring between two rooms of different zones by measuring the flow through an overflow duct with SS 20.400 mounted in front of the duct.

Application Report Flow Sensors



GMP Coating Machine for pharmaceuticals with sensor SS 20.60 (not shown in picture) used for volume-flow control in air-intake.



Wafer cleaning machine where the sensor SS 20.502 is used for control of volume-flow in a flow box. (not shown in picture)