Type Dynamic differential pressure transducers

FOR THE DYNAMIC MEASUREMENT OF EFFECTIVE AND DIFFERENTIAL PRESSURES

Differential pressure transducers based on the dynamic measurement principle for volume flow rate measuring units Type VMR or VMe

- Linear volume flow rate actual value 0 – 10 V DC or 2 – 10 V DC
- Recording of measured values for the display of volume flow rates or for the control of slave controllers
- Any installation orientation
- Parameters are factory set
Application

- Electronic volume flow controller Universal with dynamic differential pressure transducer for use with volume flow rate measuring units
- Parameters are factory set
- On-site adjusting is not required

Standard filtration in comfort air conditioning systems allows for use of the transmitter in the supply air without additional dust protection. Since a partial volume flow is passed through the differential pressure transducer in order to measure the volume flow rate, please note:

- With heavy dust levels in the room, suitable extract air filters must be provided.
- If the air is polluted with fluff or sticky particles, or if it contains aggressive media, dynamic pressure transducers cannot be used

For this application the Universal controller is only used for measuring the differential pressure and for transforming the measured value into a linear voltage signal. Connections for setpoint value signal and actuator are not relevant, and neither are the corresponding technical data.

- Volume flow rate actual value is available as linear voltage signal

Parts and characteristics

- Sensor for dynamic differential pressure measurements
Variants

Electrical connection, Characteristics

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