

Type VME



FOR THE MEASUREMENT OF VOLUME FLOW RATES IN DUCTS

Rectangular volume flow rate measuring units for the recording or monitoring of volume flow rates

- Manual volume flow rate measuring
- Permanent volume flow rate measuring
- Recording of measured values for other controllers or for the LABCONTROL air management system
- Suitable for airflow velocities of up to 10 m/s
- Pressure transducer for the automatic recording of measured values, factory assembled and complete with wiring and tubing
- Casing air leakage to EN 15727, up to class C



Application

- Rectangular volume flow rate measuring units Type VME for the manual recording or automatic measuring of volume flow rates
- Simplified commissioning, approval and maintenance
- Suitable for permanent installation because of low differential pressure

Special features

- Measurement accuracy $\pm 5\%$ even with unfavourable upstream conditions
- Effective pressure range: approx. 8 – 200 Pa
- Low differential pressure of only about 17 – 32 % of the measured effective pressure

Nominal sizes

- 39 nominal sizes from 200 × 100 to 1000 × 1000

Construction

- Galvanised sheet steel
- P1: Powder-coated, silver grey (RAL 7001)

Parts and characteristics

- Ready-to-commission unit which consists of the mechanical parts and an optional pressure transducer
- Averaging differential pressure sensor for volume flow rate measurement
- Optional factory-assembled pressure transducers complete with wiring and tubing
- High measurement accuracy

Attachments

- Dynamic differential pressure transducer
- Static differential pressure transducer
- LABCONTROL: Components for air management systems

Construction features

- Rectangular casing
- Flanges on both sides, suitable for duct connection
- Connecting nipple for tubes with 6 mm inside diameter

Materials and surfaces

Galvanised sheet steel construction

- Casing made of galvanised sheet steel
- Aluminium sensor tubes

Powder-coated construction (P1)

- Casing made of galvanised sheet steel, powder-coated

Standards and guidelines

- Casing air leakage to EN 15727, class C ($B + H \leq 400$, class B)

Maintenance

- Maintenance-free as construction and materials are not subject to wear
- Zero point correction of the static differential pressure transducer should be carried out once per year (recommendation)

TECHNICAL INFORMATION

Function, Technical data, Specification text, Order code, Produktbeziehungen

Variants, Attachments, Dimensions and weight, Product details

Installation details, Commissioning, Basic information and nomenclature

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