

# A000

Measuring instrument

Round

## Use

The diagonally integrated measuring instrument type A000MO is suitable for measuring air volumes in round ducts. The measuring cross type eXavol can be connected to an electronic, dynamic pressure transducer.

## Characteristics

- Nominal volume range up to 4.525 m<sup>3</sup>/h.
- Available in seven model sizes.
- Extremely low internal resistance.
- High signal.
- Measures the average air speed over the entire duct diameter.
- Round version.

## Finish

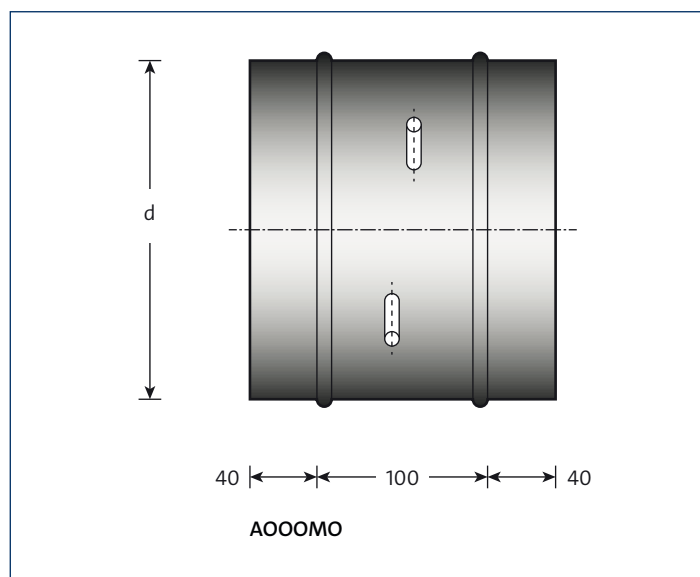
housing: sendzimir galvanised steel sheet  
 round connection: in accordance with EN1506 and EN13180  
 measuring tubes: aluminium

## Available types

**A O O O M O**

- A** accessory
- O** not applicable
- O** round version
- O** not applicable
- M** eXavol measuring instrument, diagonally integrated
- O** not applicable

## Dimensions



## “C” factor

Formula:  $Q = C \times \sqrt{p}$

Q = air volume in m<sup>3</sup>/h

C = factor

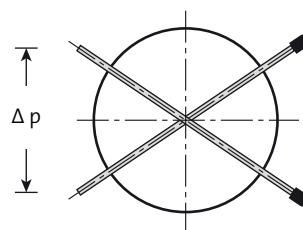
p =  $\Delta p$  over measuring instrument

model	C	Pa
100	22.1	165.1
125	36.4	148.1
160	59.9	146.1
200	97.4	134.6
250	157.0	126.8
315	246.4	129.5
400	415.5	118.6

Pa values are given for a 10 m/s supply speed.

## Available dimensions

model	d
100	99
125	124
160	159
200	199
250	249
315	314
400	399



## Comment

- The listed dimensions are in mm.

## Fitting

Air-volume measuring instruments type AOOOMO are insensitive to the fitting position. However, the disruption of the flow due to bends and branches must be taken into account. Two to three times the diameter in a straight flow before the unit is recommended. The duct dimension corresponds to the connection size of the measuring instrument.