

# VRVO

Measuring instrument

Rectangular

Single-walled and double-walled

LUKA D/ATC 2

## Use

The measuring station type VRVO is suitable for measuring air volumes in rectangular ducts. The measuring instrument type VRVO can be connected to an electronic, dynamic pressure transducer.

## Characteristics

- Wide variety of model sizes available.
- Low resistance.
- Low flow noise.
- Airtightness class LUKA D/ ATC 2.

## Finish

housing: sendzimir galvanised steel sheet  
measuring tube: aluminium

## Available types

**VRVOS--**

- V** volume unit
- R** rectangular version
- V** variable-volume measuring instrument
- O** none
- S** SDV measuring instrument

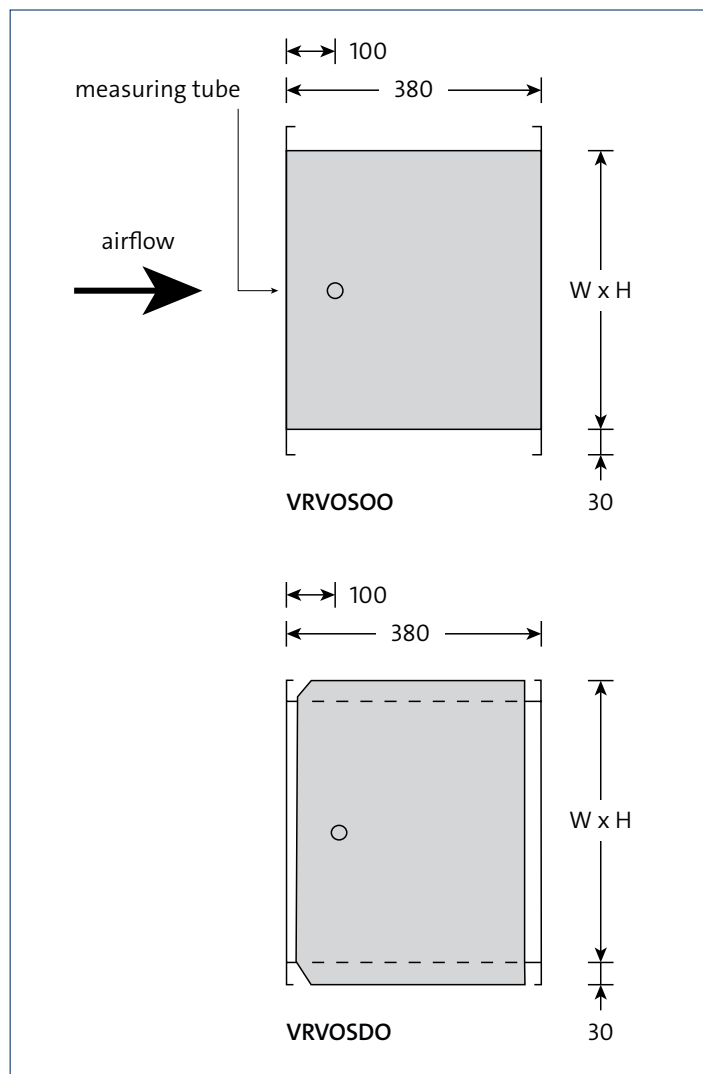
### - **Version**

- O** single-walled
- D** double-walled

### - **Measuring instrument**

- V** VRU-D3-BAC
- O** none

## Dimensions



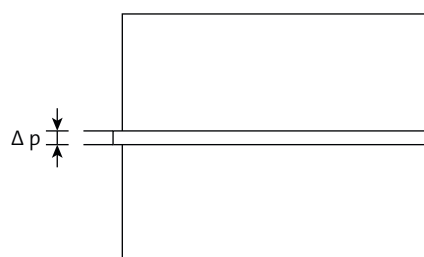
## Air-volume formula

$$Q = A \times (dP_{\text{measuring tube}}/1.5)^{0.5} \times 3600$$

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

A = duct surface in m<sup>2</sup>

P = dP<sub>measuring tube</sub> = pressure difference over connection points of the measuring tube in Pa



## Comment

- The listed dimensions are in mm.
- Dimensions that exceed 1200 x 1200 mm have an airtightness class LUKA C/ATC 3.

## Fitting

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