VAV TERMINAL UNIT, VARIANT TVRK

TESTED TO VDI 6022
VARIANT WITH FLANGE

EASY CLEANING OF SENSOR TUBES
TYPE TVRK
FOR CONTAMINATED AIR

Plastic circular VAV terminal units for aggressive extract air in variable air volume systems

- Casing and damper blade made of flame-resistant polypropylene
- Slide-out differential pressure sensor allows for easy cleaning
- Suitable for the control of volume flow rate, room pressure or duct pressure
- Electronic control components for different applications (Universal and LABCONTROL)
- Suitable for airflow velocities up to 13 m/s
- Closed blade air leakage to EN 1751, class 3
- Casing air leakage to EN 1751, class B

Optional equipment and accessories

- With flanges on both ends
- Matching flanges for both ends
- Plastic secondary silencer Type CAK for the reduction of air-regenerated noise
Application

Circular VARYCONTROL VAV terminal units of Type TVRK, made of plastic, preferably for the extract air flow control in variable air volume systems

Closed-loop volume flow control using an external power supply

Suitable for contaminated air

Shut-off by means of switching (equipment supplied by others)

Special characteristics

Integral slide-out differential pressure sensor with 3 mm measuring holes (resistant to dust and pollution)

Factory set-up or programming and aerodynamic function testing

Volume flow rate can be measured and subsequently adjusted on site; additional adjustment tool may be necessary

Nominal sizes

125, 160, 200, 250, 315, 400

Description

Variants

TVRK: VAV terminal unit

TVRK-FL: VAV terminal unit with flanges on both ends

Parts and characteristics

Ready-to-commission unit which consists of mechanical parts and control components.

Averaging differential pressure sensor for volume flow rate measurement; can be removed for cleaning

Damper blade

Factory-assembled control components complete with wiring and tubing

Aerodynamic function testing on a special test rig prior to shipping of each unit

Set-up data is given on a label or volume flow rate scale affixed to the unit

High control accuracy (even with upstream bend R = 1D)

Attachments

Universal controller: Controller, differential pressure transducer and actuators for special applications

LABCONTROL: Control components for air management systems

Accessories

Matching flanges for both ends, including seals

Useful additions

Plastic secondary silencer Type CAK for demanding acoustic requirements

Construction features

Circular casing

Spigot suitable for ducts according to DIN 8077

Both spigots with same diameter

Position of the damper blade indicated externally at shaft extension

Materials and surfaces

Casing and damper blade made of flame-resistant polypropylene (PPs)

Differential pressure sensor and plain bearings made of polypropylene (PP)

Damper blade seal made of chloroprene rubber (CR)

TECHNICAL INFORMATION

Function, Technical data, Quick sizing, Specification text, Order code, Related Products

Variants, Attachments, Dimensions and weight
# Installation details, Basic information and nomenclature

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