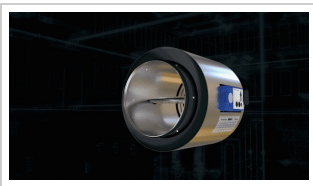# VAV TERMINAL UNIT TYPE TVE

SIMPLE. BRILLIANT.

A NEW CONCEPT OF VOLUME FLOW RATE MEASUREMENT

With the new **volume flow controller of Type TVE**, upstream conditions, installation dependent on airflow direction and strictly limited volume flow rate control ranges are a thing of the past.

Thanks to the **patented measurement principle**, measured values are now determined directly on the damper blade – without measuring probes or other sensors – accurately and reliably!

The large volume flow rate control range for airflow velocities from 0.5 m/s to 13 m/s offers a high degree of flexibility. Furthermore, with its compact construction, the TVE can be easily installed even in confined spaces.

As usual, the measurement principle can be both, **dynamic and static** – for example, in particularly polluted air.
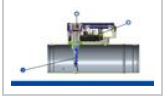
CONTROL COMPONENT

THE MODULAR DESIGN PERMITS:

- Concept according to the proven Easy Design
- Compact variant with option for Modbus interface (best possible connection to X-AIRCONTROL)
- Variant with static transducer
- Optional LCD display

TECHNICAL DATA

- Circular
- Size: ø 100, 125, 160, 200, 250 mm

SHORT. PRECISE. VARIABLE.

ALL ADVANTAGES AT A GLANCE

- Space saving installation, as upstream sections are not required

- Large volume flow rate control range for airflow velocities between 0.5 m/s and 13 m/s (flow rate range approx. 1:25)

- Considerable cost savings due to the terminal strip on the controller for electrical connection

- Installation errors prevented due to airflow direction on both sides (with dynamic transducer)

- Easy cleaning as there are no interfering measuring components in and on the duct

- Reliable measurement as the relation between damper blade position and differential pressure is stored in the controller

- Large selection of controller variants and interfaces (as well as connection to X-AIRCONTROL)

- Simple assembly and disassembly of the actuator including integrated sensor system

- Compact construction, from 310 mm