

TROX VAV Terminal Unit Type TVE Installation Guide

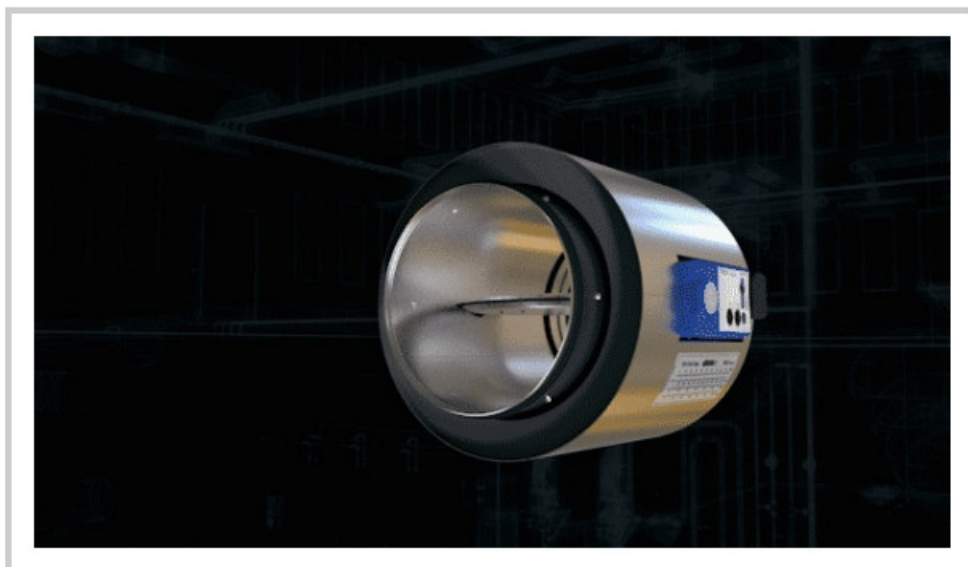
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SIMPLE. BRILLIANT.



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


A NEW CONCEPT OF VOLUME FLOW MEASUREMENT



THE TVE BROCHURE FOR DOWNLOAD



Documents / Resources

	<p>TROX VAV Terminal Unit Type TVE [pdf] Installation Guide VAV Terminal Unit Type TVE, VAV, Terminal Unit Type TVE, Unit Type TVE, Type TVE</p>
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References

- [WELKOM - BIENVENUE | S.A. TROX Belgium/TROX Belgium N.V.](#)
- [Produits | S.A. TROX Belgium/TROX Belgium N.V.](#)
- [Unité de régulation | S.A. TROX Belgium/TROX Belgium N.V.](#)
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- [User Manual](#)

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