TROX® TECHNIK
The art of handling air

SECONDARY SILENCER
TYPE TX

TX

FOR THE REDUCTION OF AIR-REGENERATED NOISE OF AIR TERMINAL UNITS TYPE TVJ, TVT OR EN

Rectangular secondary silencer to reduce air-regenerated noise, suitable for air terminal units type TVJ, TVT and EN

- Sound absorption material made of non-combustible mineral wool with RAL quality mark, non-hazardous to health due to high biosolubility in accordance with the German Hazardous Substances Ordinance and Note Q of the European Regulation (EC) No. 1272/2008
- Mineral wool faced with glass fibre fabric as a protection against erosion, effective with airflow velocities up to 20 m/s
- Insertion loss measured according to ISO 7235.
- Casing air leakage according to EN 15727, class C

Allgemeine Informationen

Application

- Secondary silencer Type TX to reduce the air-regenerated noise of air terminal units
- For air terminal units TVJ and TVT, and for mechanical self-powered controllers EN

Nominal sizes

- 43 nominal sizes from 200 × 100 to 1000 × 1000

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Construction features

- Absorption sound attenuator without resonating panels
- Rectangular casing
- Air duct profile 30 mm with butyl seal
- Splitters with aerodynamically profiled frame
- Maximum splitter thickness 100 mm
- Splitter arrangement and number depending on nominal size
- 50 % free cross-section for all nominal sizes

Parts and characteristics

- Casing
- Sound attenuator splitters without resonating panels

Maintenance

- Maintenance-free, as construction and materials are not subject to wear and tear

Nominal sizes

- 43 nominal sizes from 200 × 100 to 1000 × 1000

TECHNICAL INFORMATION

Specification text, Order code

Rectangular secondary silencers for VAV terminal units to reduce the air-regenerated noise, available in 43 nominal sizes

Insertion loss at least 9 dB at 250 Hz

Splitters with aerodynamically profiled frames.

Connecting flanges on both ends, suitable for 30 mm duct connection

Casing air leakage to EN 15727, class A.

Complies with VDI 2083, clean room class 3, and US standard 209E, class 100.

Material and surfaces

- Casing and splitter frames made of galvanised sheet steel
- Sound absorbing material is mineral wool

Mineral wool

- According to EN 13501, fire rating class A1, non-combustible
- RAL quality mark RAL-GZ 388
- Non-hazardous thanks to high biosolubility according to the German Ordinance on Hazardous Substances and Note Q of the European Regulation (EC) No. 1272/2008
- Faced with glass fibre fabric as a protection against erosion from airflow velocities of up to 20 m/s
- Inert to fungal and bacterial growth

Life cycle assessment
A life cycle assessment is available for the product series in form of an Environmental Product Declaration (EPD) that has been checked and published by a programme holder.

TX	/	600 × 400
1		2

1 Type
TX Secondary silencer

2 Nominal size [mm]
Specify width × heightOrder example: TX/600×400

Type	TX Secondary silencer
Nominal size [mm]	Width 600, height 400