



SECONDARY SILENCER  
TYPE TS



TESTED TO VDI 6022

## TS

### FOR THE REDUCTION OF AIR-REGENERATED NOISE OF AIR TERMINAL UNITS TYPE TVZ, TVA, TZ-SILENZIO, TA- SILENZIO OR TVM

Rectangular secondary silencers for the reduction of air-regenerated noise of air terminal units Type TVZ, TVA, TZ-Silenzio, TA-Silenzio or TVM

- Absorption material is non-combustible mineral wool with RAL quality mark, biosoluble and hence hygienically safe according to the German TRGS 905 (Technical Rules for Hazardous Substances) and EU directive 97/69/EG
- Mineral wool faced with glass fibre fabric as protection against erosion due to airflow velocities up to 20 m/s
- Insertion loss measured according to ISO 7235
- Casing air leakage to EN 15727, class B

## Application

### Application

- Secondary silencers of Type TS to reduce the air-regenerated noise of air terminal units
- For air terminal units TVZ, TVA, TZ-Silenzio, TA-Silenzio, and TVM

### Nominal sizes

- 125, 160, 200, 250, 315, 400

## Description

### Parts and characteristics

- Casing
- Absorption material

### Construction features

- Rectangular casing

- Connection on the room end suitable for air duct profiles
- Thermal and acoustic insulation (lining)

#### Materials and surfaces

- Casing made of galvanised sheet steel
- Lining is mineral wool

#### Mineral wool

- To EN 13501, fire rating class A1, non-combustible
- RAL quality mark RAL-GZ 388
- Biosoluble and hence hygienically safe according to the German TRGS 905 (Technical Rules for Hazardous Substances) and EU directive 97/69/EG
- Faced with glass fibre fabric as protection against erosion through airflow velocities of up to 20 m/s
- Inert to fungal and bacterial growth

#### Standards and guidelines

- Hygiene conforms to VDI 6022
- Casing air leakage to EN 15727, class B

#### Maintenance

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

## TECHNICAL INFORMATION

Specification text, Order code



Rectangular secondary silencers for VAV terminal units to reduce the air-regenerated noise, available in 6 nominal sizes

Casing with acoustic and thermal insulation.

Flanges on both sides, suitable for duct connection.

Casing air leakage to EN 15727, class B.

Complies with VDI 2083, clean room class 3, and US standard 209E, class 100. Hygiene complies with VDI 6022, DIN 1946, part 4, as well as EN 13779 and VDI 3803.

#### Materials and surfaces

- Casing made of galvanised sheet steel
- Lining is mineral wool

#### Mineral wool

- To EN 13501, fire rating class A1, non-combustible
- RAL quality mark RAL-GZ 388
- Biosoluble and hence hygienically safe according to the German TRGS 905 (Technical Rules for Hazardous Substances) and EU directive 97/69/EG
- Faced with glass fibre fabric as protection against erosion through airflow velocities of up to 20 m/s
- Inert to fungal and bacterial growth

Order example: TS/200

|              |        |
|--------------|--------|
| Nominal size | 200 mm |
|--------------|--------|

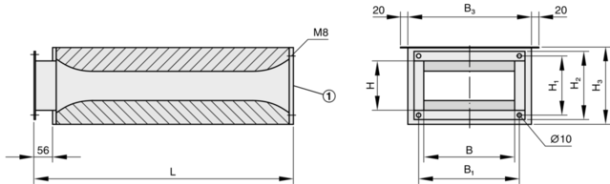
TS / 200



| 1 Type   |           | 2 Nominal size |
|----------|-----------|----------------|
| silencer | TS        | 125            |
|          | Secondary | 160            |
|          |           | 200            |
|          |           | 250            |
|          |           | 315            |
|          |           | 400            |

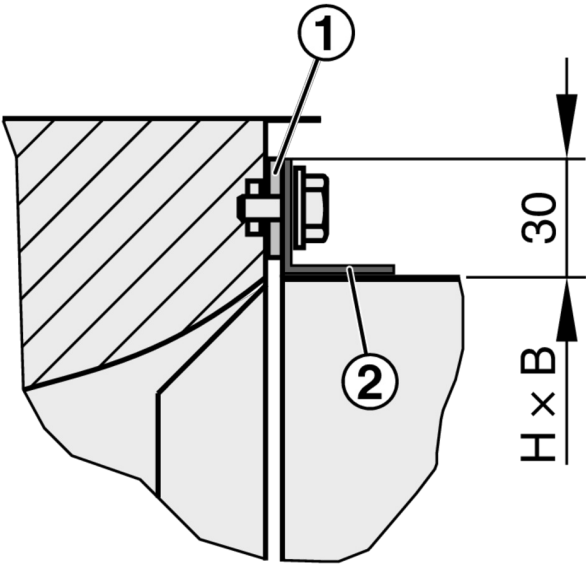
| Nominal size | L<br>mm | B <sub>3</sub><br>mm | H <sub>3</sub><br>mm | B<br>mm | B <sub>1</sub><br>mm | H<br>mm | H <sub>1</sub><br>mm | m<br>kg |
|--------------|---------|----------------------|----------------------|---------|----------------------|---------|----------------------|---------|
| 125          | 806     | 300                  | 236                  | 198     | 232                  | 152     | 186                  | 10      |
| 160          | 806     | 410                  | 236                  | 308     | 342                  | 152     | 186                  | 15      |
| 200          | 956     | 560                  | 281                  | 458     | 492                  | 210     | 244                  | 22      |
| 250          | 956     | 700                  | 311                  | 598     | 632                  | 201     | 235                  | 37      |
| 315          | 1056    | 900                  | 361                  | 798     | 832                  | 252     | 286                  | 42      |
| 400          | 1306    | 1000                 | 446                  | 898     | 932                  | 354     | 388                  | 50      |

TS



① End facing the room

Detail of flange



① Compressible seal, to be provided by others  
 ② Flange

**Installation and commissioning**

- Connection profiles fit air terminal units TVZ, TVA, TZ-Silenzio, TA-Silenzio, and TVM
- Return edges of the casing with drilled holes suitable for M10 threaded rods