

Secondary silencers for VAV terminal units

TSFB



For the reduction of air-regenerated noise from air terminal units Type SFTB and CVFB

Rectangular secondary silencers for the reduction of air-regenerated noise from air terminal units Type SFTB and CVFB

- 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
- PU foam side lining and polymer splitters for sizes 210, 310 & 410

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General information

Application

- Secondary silencer Type TSFB to reduce the air-regenerated noise from air terminal units.
- For air terminal units SFTB and CVFB

Nominal sizes

- 110, 210, 310, 410

Parts and characteristics

- Casing
- Absorption material

Materials and surfaces

- Casing and splitter frames made of galvanised sheet steel
- Absorption material is mineral wool with PU side liners and open cell polymer foam splitters

Mineral wool

- To EN 13501, fire rating class A1, noncombustible 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

Foam Lining

- All foam lining materials have Class 'O' fire rating conforming to UK building regulations.

Construction features

- Absorption sound attenuator
- Rectangular casing
- Connection on the room end suitable for 30 mm air duct profiles
- Splitters with aerodynamic profile
- Splitter arrangement and number depends on the nominal size
- Rectangular casing
- Connection on the room end suitable for air duct profiles
- Thermal and acoustic insulation (lining)

Maintenance

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

Useful additions

- Optional total flow measuring grid for commissioning and checking of the total volume using a micromanometer

Specification text

Specification text

- Rectangular secondary silencers for VAV terminal units to reduce the air-regenerated noise, available in 4 nominal sizes
- Casing with acoustic and thermal insulation.
- Aerodynamically profiled splitters
- Silencer end plates suitable for 30mm flanged duct connection

Materials and surfaces

- Casing and splitter frames made of galvanised sheet steel
- Absorption material is mineral wool with PU side liners and open cell polymer foam splitters

Mineral wool

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Foam Lining

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**Order code**

TSFB - S - VGR - D1 / 210 / 0
| | | | | |
1 2 3 4 5 6

1 Type

TSFB Secondary silencer for SFTB or
CVFB Fan VAV terminal unit

2 Unit Type

S SFTB
C CVFB

3 Flowgrid

No entry: none
VGL Left
VGR Right

4 Duct Piece

No entry: none
D1 Additional ducts fitted

5 Size

110, 210, 310, 410

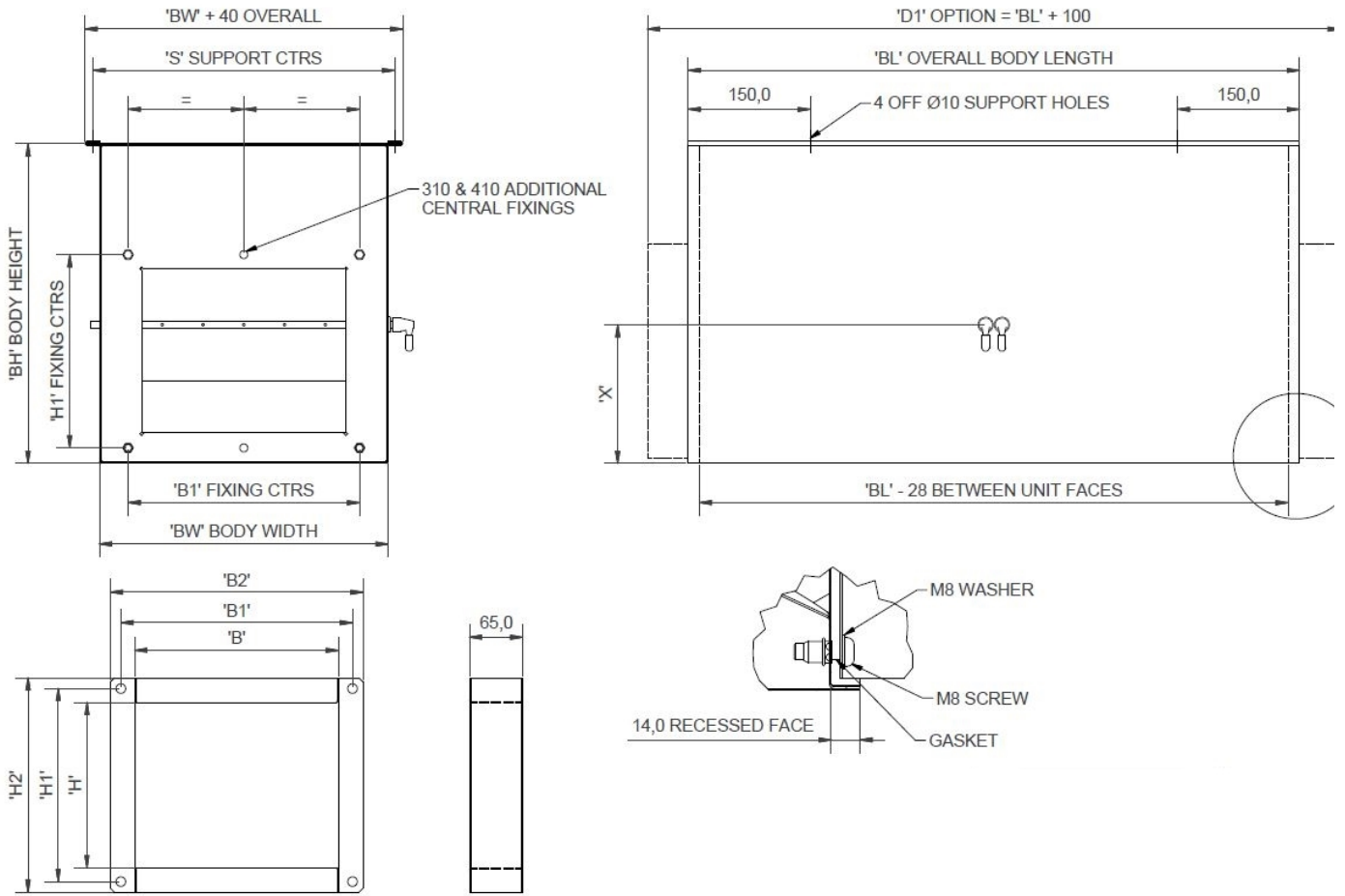
6 Not used

Order example: TSFB-S-VGR-D1/210/0

Unit type	SFTB
Flowgrid handing	Right
Additional duct pieces	Fitted
Size	210

For CVFB fan VAV unit, TSFB-C...-D1/110/0 or TSFB-C...-D1/210/0 will be the basic code as the unit requires only the size 110 or 210 attenuator with D1 additional ducts

Dimensions and weight



Optional total flow measuring grid connections to suit 6mm I/D tubing

Dimensions TSFB

Unit	BL	BH	BW	B	B1	B2	H	H1	H2	S	X	weight [kg]
110	750	392	354	250	284	310	203	237	263	370	170	13
210	1000	402	454	350	384	410	254	288	314	470	175	22
310	1200	402	554	450	484	510	305	339	365	570	175	30
410	1500	452	704	600	634	660	356	390	386	720	188	46



Nomenclature

L [mm]
Unit length

B [mm]
Duct width

N [mm]
Fixing centres (horizontal)

H [mm]
Duct height

M [mm]
Fixing centres (vertical)

X [mm]
Vertical dimension to the flow grille

S [mm]
Support centres

m [kg]
Unit weight