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TFW

FOR CRITICAL AIR CLEANLINESS AND CRITICAL HYGIENE REQUIREMENTS, SUITABLE FOR WALL INSTALLATION

Wall mounted particulate filters as final filter stage with Mini Pleat filter panels for the separation of suspended particles. Used in medicine, biology, pharmaceuticals, and sensitive technical areas.

- Easy, time-saving and secure filter change, can be completed by one person due to special press-in frame
- For air cleanliness classes 5 to 8 according to ISO 14644-1
- Different constructions for filter elements with different frame depths
- Casing with indentations to ensure the precise fitting of the filter elements
- Equipment for differential pressure measurement, sealing integrity testing, and particle sampling for measurement
- Meets the hygiene requirements of VDI 6022



General information



Application

- Particulate filter type TFW for wall installation as final filter stage and for air distribution
- Fitting of filter elements for the separation of suspended particles such as aerosols, toxic dusts, viruses and bacteria from the supply or extract air

Construction

- SPC: Steel, powder-coated RAL 9010, pure white

Nominal sizes [mm]

- Casing depth 262, 334, and 476

Attachments

- SL: Ventilation grille
- ASL: Ventilation grille

Useful additions

- Mini Pleat filter panels (MFP)
- Suitable filter elements to be ordered separately

Special features

- Compact construction
- Easy connection to ducts
- High operational reliability

Construction features

- Clamping mechanism with 2 fixing points for filter elements
- Sealing integrity test facility for checking the filter function
- Pressure measurement points to monitor the differential operating pressure
- Casing with adapter frame facilitates connection to ducts

Materials and surfaces

- Casing made of sheet steel, powder-coated RAL 9010, pure white
- Ventilation grille SL made of sheet steel, powder-coated RAL 9010, pure white
- Ventilation grille ASL made of anodised aluminium sections

Commissioning

- The filter element is pressed into place using 2 easy-to-handle clamps
- Fastening of the various diffuser faces by concealed screw fixings (by others)

Standards and guidelines

- Hygiene meets the requirements of VDI 6022, VDI 3803, DIN 1946 Part 4, ÖNORM H 6021 and ÖNORM H 6020, SWKI VA 104-01 and SWKI 99-3, and EN 13779

Maintenance

- Grilles with hidden screw fixing facilitate removal for filter change and decontamination

TEKNISK INFORMATION

Specification text, Order code



Particulate filter air terminal device type TFW for wall installation as final filter stage and for air distribution. Fitting of filter elements for the separation of suspended particles such as aerosols, toxic dusts, viruses and bacteria from the supply or extract air. Casing with clamping mechanism with 2 fixing points for filter elements. As standard, the casings are equipped with a sealing integrity test facility and pressure measurement points for monitoring the operating differential pressure. For the fitting of Mini Pleat filter panels using a flat section seal. Ventilation grille type SL made of sheet steel, powder-coated RAL 9010, pure white, or type ASL made of aluminium. Leakage test for each casing.

Special characteristics

- Compact construction
- Easy connection to ducts
- High operational reliability

Materials and surfaces

- Casing made of sheet steel, powder-coated RAL 9010, pure white
- Ventilation grille SL made of sheet steel, powder-coated RAL 9010, pure white
- Ventilation grille ASL made of anodised aluminium sections

Construction

- SPC: Steel, powder-coated RAL 9010, pure white

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TFW – SPC – ASL / 662 × 325 × 476
 1 2 3 4 5

1 Type
TFW Wall mounted particulate filter

2 Casing material
SPC steel, powder-coated RAL 9010, pure white

3 Air terminal device
No entry required: None
ASL
SL

4 Nominal size [mm]
ASL
662 × 325
SL
680 × 325

5 Casing depth [mm]
G

TFW-SPC-ASL/662×325×476

Material	Steel, powder-coated, RAL 9010, pure white
Air terminal device	ASL
Nominal size	662 × 325 mm
Casing depth	476 mm

Dimensions



Dimensions [mm] and weight [kg]

Wall mounted particulate filter with ventilation grille ASL

④		②	⑤	④
L	H	B × H × T	G	kg
662	325	305 × 610 × 78	262	10
		305 × 610 × 150	334	11
662	325	305 × 610 × 292	476	12

① Nominal size of ventilation grille ② Filter size ③ Casing depth ④ Weight

Dimensions [mm] and weight [kg]

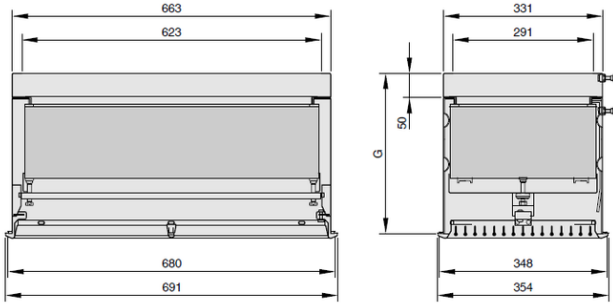
Wall mounted particulate filter with ventilation grille SL

④		②	⑤	④
L	H	B × H × T	G	kg
680	325	305 × 610 × 78	262	10
		305 × 610 × 150	334	11
680	325	305 × 610 × 292	476	12

① Nominal size of ventilation grille ② Filter size ③ Casing depth ④ Weight

Dimensional drawing of TFW

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TFW flange dimensions

