

Ducted HEPA filter units

- » Duct casing for installation into ductwork
- » Fitting of filter elements for the separation of suspended particles



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Detail



Ducted HEPA filter unit

Application

- » Duct casing for installation into ductwork.
- Fitting of filter elements for the separation of suspended particles such as aerosols, toxic dusts, viruses, and bacteria from the supply or extract air.

Material

- » Duct casing made of sheet steel with decontaminable powder coating RAL 9010.

Construction

- » Type F352
- » Type F353

Equipment

- » Duct casing with rigid connecting flanges.
- » Turnbuckles for secure sealing between casing and filter element.
- » Cover plate with profiled gasket and four clamping screws with star grips.
- » Pressure measuring points for each filter unit are part of the supply package but must be set up on site by others.

Construction

- » With sealing integrity test facility for HEPA filter elements.

Associated TROX filter elements

- » Associated filters must be ordered separately.

Suitable filter elements

Minipleat filter cells or minipleat filter panels as HEPA filters (F7/7/.../... and F7/9/.../...)

- » High-efficiency filters for the most critical requirements of air purity and sterility.
- » Type F780 (E11), Type F781 (H13), Type F782 (H14).
- » Construction: Frame made of MDF, galvanised sheet steel, or stainless sheet steel.

HEPA filter cells (F7/12/.../...)

- » Main or final filter for the most critical requirements of air purity and sterility.
- » Type F770 (E11), Type F771 (H13).
- » Construction: Frame made of MDF, galvanised sheet steel, or stainless sheet steel.

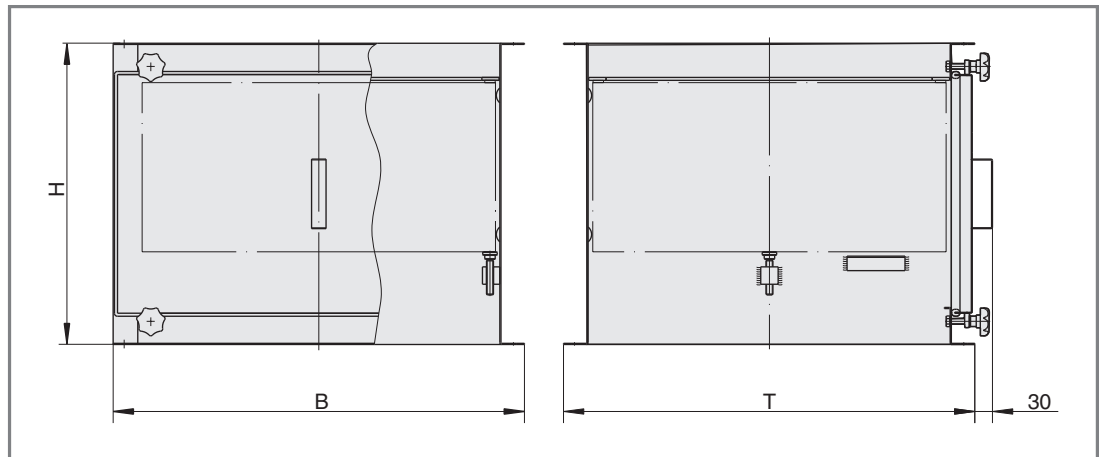
Other filter elements

- » Upon request.

Technical data

Filter casing with peripheral connecting flanges, width 42.5 mm.

Individual units to be installed either as shown or after a 90° rotation.



Detail drawing 1: Ducted HEPA filter unit

Dimensions of ducted HEPA filter unit F352

All weights are net, without packaging.

Filter size mm			Nominal volume flow rate ¹⁾		Dimensions of unit mm			Weight	Order no.
B	H	T	l/s	m ³ /h	B	H	T	≈ kg	
305	305	150	130	460	405	378	405	16	F352A01
305	610	150	270	980	405	378	710	19	F352B01
305	610	150	270	980	710	378	405	19	F352C01
610	610	150	585	2100	710	378	710	24	F352D01
762	610	150	740	2660	710	378	862	27	F352E01

Table 1: Technical data for F352

1) HEPA filter elements H13 with various nominal volume flow rates depending on construction.

Dimensions of ducted HEPA filter unit F353

Filter size mm			Nominal volume flow rate ¹⁾		Dimensions of unit mm			Weight	Order no.
B	H	T	l/s	m ³ /h	B	H	T	≈ kg	
305	305	292	150	545	405	520	405	18	F353A01
305	610	292	325/470	1165/1700	405	520	710	21	F353B01
305	610	292	325/470	1165/1700	710	520	405	21	F353C01
610	610	292	695/945	2500/3400	710	520	710	28	F353D01
762	610	292	880/1180	3160/4250	710	520	862	30	F353E01

Table 2: Technical data for F353

1) HEPA filter elements H13 with various nominal volume flow rates depending on construction.
HEPA filter elements H13, the lowest and highest volume flow rates are shown.

Specification text

Ducted HEPA filter units F352, F353:

- » Duct casing for installation into ductwork
- » Fitting of filter elements for the separation of suspended particles
- » Duct casing made of sheet steel with decontaminable powder coating RAL 9010
- » Turnbuckles for secure sealing between casing and filter element
- » Cover plate with profiled gasket and four clamping screws with star grips

Technical data:

Nominal volume flow rate _____ l/s (m³/h)
 Dimensions of ducted HEPA filter unit _____ mm
 Net weight _____ kg
 Order no. _____
 Make: TROX

TROX[®] TECHNİK
The art of handling air

Filters

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