



Duct casings for HEPA filter elements and activated carbon filter cells

- » Duct casing for installation into ductwork
- » Side service door for easy filter change
- » Standard size duct casings are supplied fully assembled



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Detail



Duct casing for HEPA filter elements

» 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 galvanised sheet steel.

» Construction

- Type F383

» Equipment

- Side service door for filter element change, location left or right when viewed in the direction of air flow.
- The casing frame with wide sealing surfaces forms the connecting subframe for units or ducts.
- Frame system made of welded aluminium profiles with support angles for location of the filter element.
- Clamping mechanism for secure sealing between the frame and filter element.
- Pressure measuring points for each filter unit are part of the supply package but must be set up on site by others.

» Accessories

Service door clamped shut with clamping screws with star grips.

» Associated TROX elements

Associated filters to be ordered separately.

» Installation and maintenance

Standard size duct casings are supplied fully assembled.

Simple change of the filter element through side service door.

Suitable filter elements

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

- High-performance 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.

» Activated carbon filter cells (F7/1/...)

- Type F760.
- Filter media: activated carbon in form of small sticks.

» Other filter elements

Upon request.

Order code

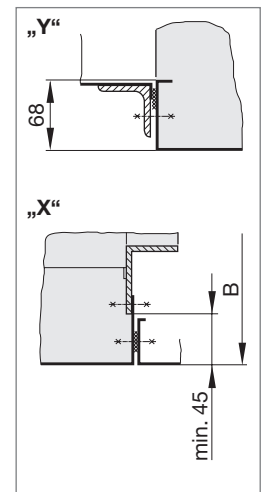
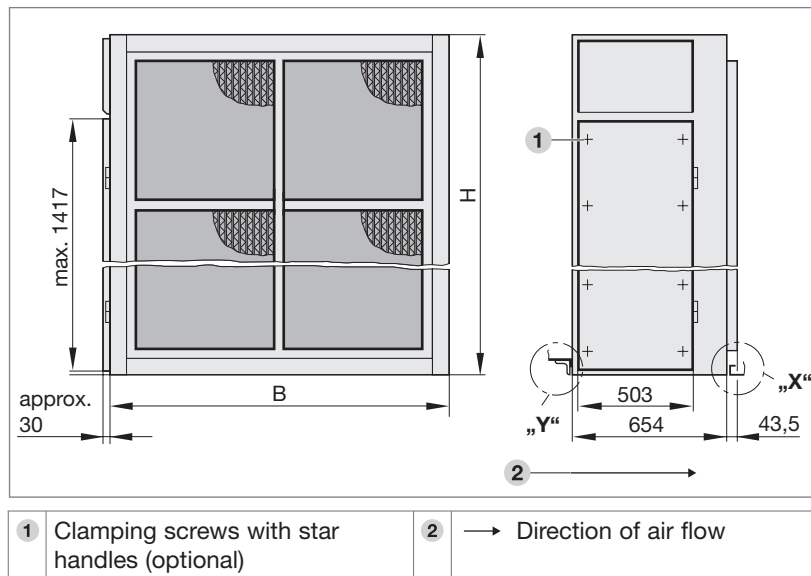
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F	3	8	3	A	2	3	0	0	D	0	0	0	0																
1				2			3		4	5																			
1	Unit type: Type F383	4	Code letter for service door: 0 = Service door on right when viewed in the direction of air flow D = Service door on left when viewed in the direction of air flow																										
2	Code number: For the unit size, refer to the code numbers in Table 1.	5	Zeros																										
3	Zeros																												

Example of a duct casing for HEPA filter elements

- » Unit type: **F383**
- » Unit size 2052 x 1428 mm: **A23**
- » Service door on left: **D**

F	3	8	3	A	2	3	0	0	D	0	0	0	0
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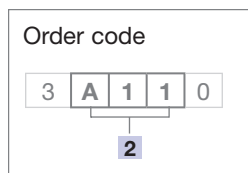
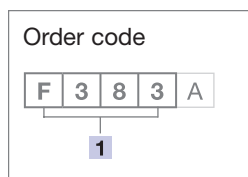
Technical data



Detail drawing 2:
Detail "X" and "Y":
Examples of easy
connection to units
or ductwork.

Detail drawing 1: Duct casings for HEPA filter elements and activated carbon filter cells

Dimensions of F383 and quantity of filter cells



All weights are net,
without packaging.

Dimensions in mm		Nominal volume flow rate		Quantity of filter cells			Weight	Code number
B	H	l/s	m ³ /h	vertical	horizontal	total	Approx. kg	②
804	804	580	2100	1	1	1	40	A11
804	1428	1170	4200	2	1	2	55	A21
804	2052	1750	6300	3	1	3	70	A31
1428	804	1170	4200	1	2	2	55	A12
1428	1428	2330	8400	2	2	4	70	A22
1428	2052	3500	12600	3	2	6	90	A32
1428	2676	4670	16800	4	2	8	110	A42
2052	804	1750	6300	1	3	3	70	A13
2052	1428	3500	12600	2	3	6	90	A23
2052	2052	5250	18900	3	3	9	110	A33
2052	2676	7000	25200	4	3	12	135	A43
2676	804	2330	8400	1	4	4	85	A14
2676	1428	4670	16800	2	4	8	110	A24
2676	2052	7000	25200	3	4	12	135	A34
2676	2676	9330	33600	4	4	16	160	Upon request

Table 1: Technical data for F383

Specification text

Duct casings for HEPA filter elements and activated carbon filter cells F383:

- » Duct casing for installation into ductwork.
- » Fitting of filter elements for separation of suspended particles or odorous substances.
- » Duct casing made of galvanised sheet steel.
- » Frame system made of welded aluminium profiles with support angles for location of the filter cells.
- » Side service door (left or right).
- » Clamping mechanism for secure sealing between the frame and filter element.
- » Standard size duct casings are supplied fully assembled.

Technical data:

Nominal volume flow rate _____ l/s (m³/h)
 Dimensions of duct casing _____ mm
 Net weight _____ kg
 Order number _____
 Make: TROX

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Filters

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