



Universal casings for duct installation

- » Universal casings for installation into ductwork
- » Fitting of filter elements for separation of coarse and fine dust
- » Side service door for easy filter change



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Detail



Universal casing

» Application

Universal casings for installation into ductwork.
Standard cell frames for fitting of the filter element for separation of coarse and fine dust, and for the adsorption of gaseous odorous substances and contaminants.

» Material

- Casing made of galvanised sheet steel.
- Casing made of stainless steel available upon request.

» Construction

- Type F340, one stage
- Type F344, two stages

» Equipment

- Side service door with handles and clamps.
Location of the service door on the left or right when viewed in the direction of air flow.
- The casing frame with wide sealing surfaces forms the connecting frame for units or ductwork.
- Standard cell frame with clamping springs for secure sealing between the frame and filter elements
- Pressure measuring points for each filter unit are part of the supply package but must be set up on site by others.

» Construction

Delivery of larger units in component form in compact packages with connecting materials and sealant.

» Unit size

Available in several sizes as standard.

» Associated TROX filter elements

Associated filter elements to be ordered separately.

» Installation and maintenance

Standard size duct casings are supplied fully assembled (with the exception of larger casings – refer to Table 3).

Simple filter change through side service door.

Suitable filter elements

To optimise compliance with specific requirements, various filter constructions, shapes and filter classes can be selected.

» Pocket filter inserts made of nonwoven chemical fibres (F7/2/././.)

- Coarse dust filter: Type F743 (G4)
- Fine dust filter: Type F745 (F5)

» Pocket filter inserts made of nonwoven synthetic fibres (F7/3/././.)

- Fine dust filters: Type F725 (F5), Type F726 (F6), Type F728 (F7), Type F729 (F8)

» Pocket filter inserts made of nonwoven glass fibres (F7/4/././.)

- Fine dust filters: Type F744 (F5), Type F746 (F6), Type F748 (F7), Type F749 (F9)

» Minipleat filter inserts (F7/5/././.)

- Fine dust filters: Type F756 (F6), Type F757 (F7), Type F759 (F9)
- Construction: frame made of plastic or galvanised sheet steel

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

- Type F760
- Filter media: Granulated activated carbon

Order code

<table border="1" style="margin: auto;"> <tr> <td>F</td><td>3</td><td>4</td><td>0</td><td>M</td><td>1</td><td>0</td><td>0</td><td>0</td><td>L</td><td>0</td><td>0</td><td>0</td><td>0</td> </tr> <tr> <td colspan="4" style="text-align: center;">1</td> <td colspan="2" style="text-align: center;">2</td> <td colspan="2" style="text-align: center;">3</td> <td colspan="2" style="text-align: center;">4</td> <td colspan="2" style="text-align: center;">5</td> <td colspan="2" style="text-align: center;">6</td> </tr> </table>		F	3	4	0	M	1	0	0	0	L	0	0	0	0	1				2		3		4		5		6	
F	3	4	0	M	1	0	0	0	L	0	0	0	0																
1				2		3		4		5		6																	
<p>1 Unit type: Type F340: one stage Type F344: two stages</p>	<p>4 Zeros</p>																												
<p>2 Construction: M = Casing in galvanised sheet steel</p>	<p>5 Code letters for service door: 0 = Service door on right when viewed in the direction of air flow L = Service door on left when viewed in the direction of air flow</p>																												
<p>3 Code number: Refer to code numbers in Tables 2 - 3</p>	<p>6 Zeros</p>																												

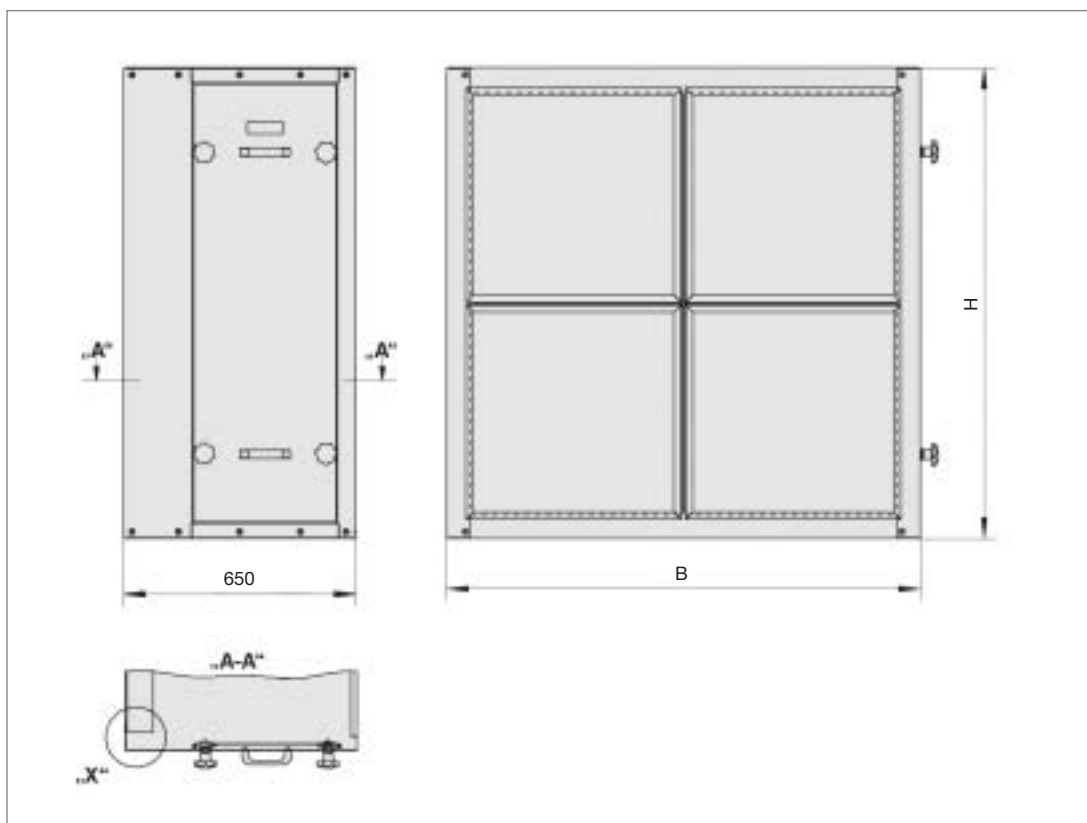
Universal casing example

- » Unit type: **F340**
- » Construction frame made of galvanised sheet steel: **M**
- » Unit size 710 x 710 mm: **10**
- » Service door left: **L**

F	3	4	0	M	1	0	0	0	L	0	0	0	0
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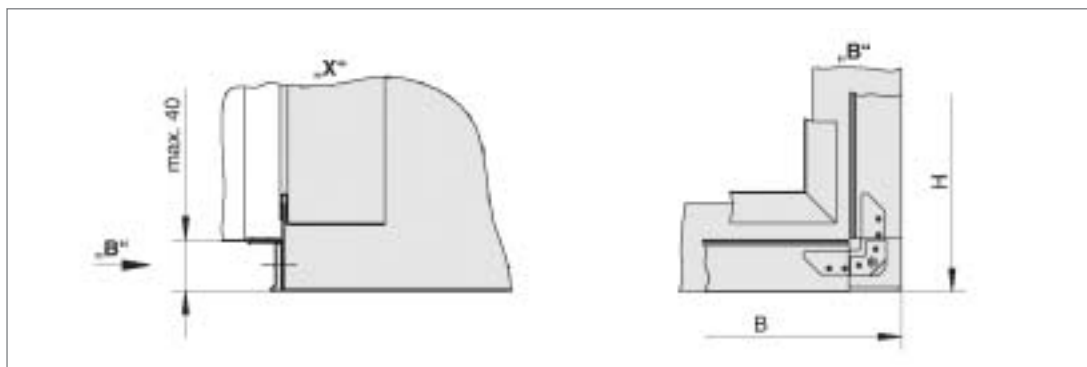
Universal casing F340

Technical data



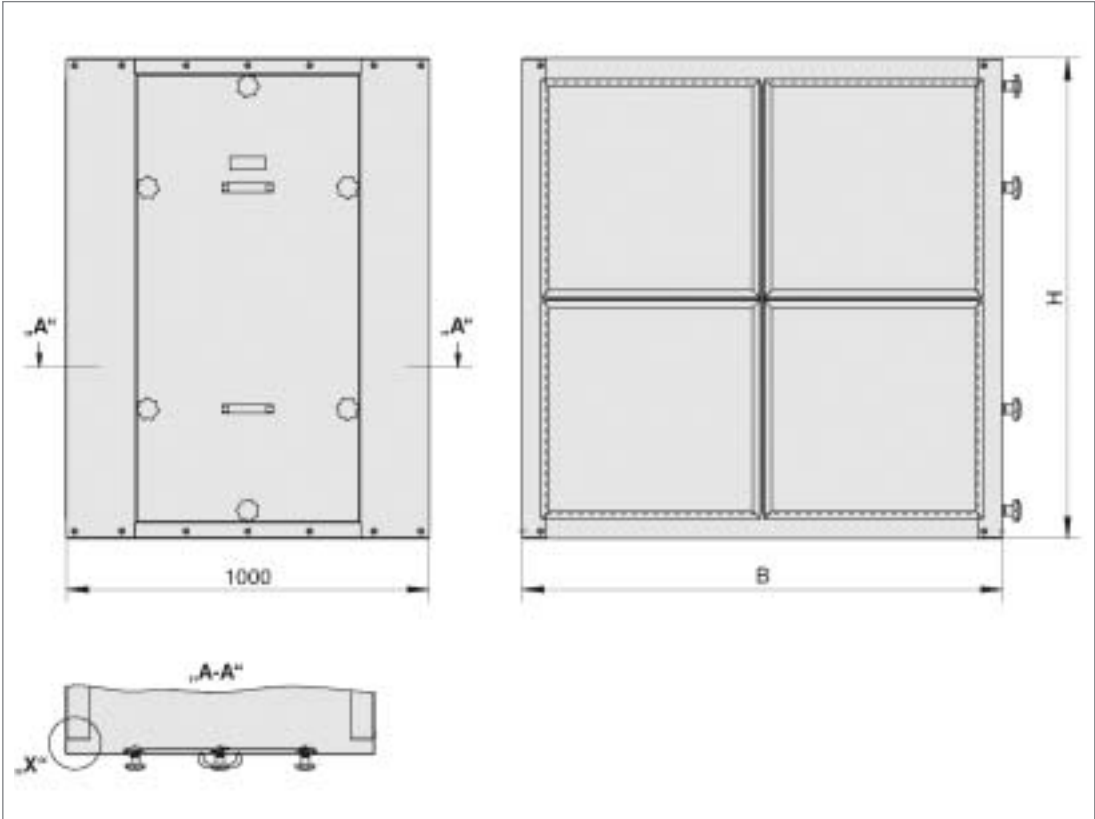
Detail drawing 1: Universal casing for duct installation F340 (shown: service door on right)

The casing frame with wide sealing surfaces forms the connection frame for units and ductwork.
Maximum perimeter flange width: 40 mm.



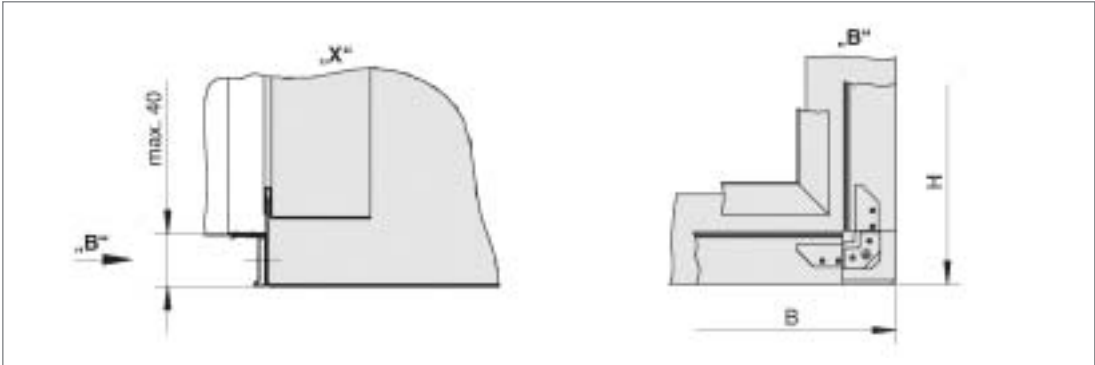
Detail drawing 2: Detail "X" and "B"

Technical data



Detail drawing 3: Universal casing for duct installation F344 (shown: service door on right)

The casing frame with wide sealing surfaces forms the connection frame for units and ductwork. Maximum perimeter flange width: 40 mm.



Detail drawing 4: Detail "X" and "B"

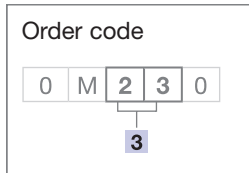
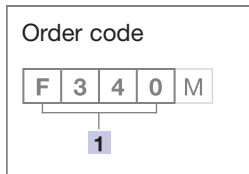
Technical data

Dimensions of standard cell frame

Size	Dimensions in mm		
	B	H	T
1/4	305	305	80
1/2	305	610	80
1	610	610	80

Table 1: Technical data for standard cell frame

Dimensions for universal casing for duct installation (widths: 405 - 1940 mm)



Filter elements to be ordered separately.

In case of larger volume flow rates than specified in the table, two units are combined. The service doors for the filter change are located on the right and left.

Other combinations upon request.

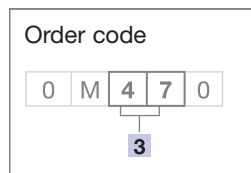
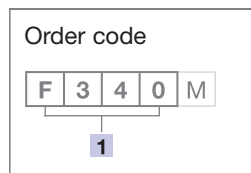
All weights are net, without packaging.

Dimensions in mm		Nominal volume flow rate		Quantity Standard cell frame ¹⁾			Weight ²⁾ Approx. kg	Code no. [3]
B	H	l/s	m ³ /h	vertical	horizontal	total ³⁾		
405	710	470	1700	1/2	1/2	1/2	25 / 36	01
710	710	945	3400	1	1	1	31 / 46	10
710	1015	1415	5100	1 + 1/2	1	1 + 1/2	42 / 63	11
710	1325	1890	6800	2	1	2	49 / 74	12
710	1630	2360	8500	2 + 1/2	1	2 + 1/2	58 / 88	13
710	1940	2835	10200	3	1	3	68 / 99	14
710	2245	3305	11900	3 + 1/2	1	3 + 1/2	73 / 113	35
710	2555	3780	13600	4	1	4	86 / 124	36
1015	710	1415	5100	1	1 + 1/2	1 + 1/2	38 / 54	15
1015	1015	2125	7650	1 + 1/2	1 + 1/2	1 + 2/2 + (1/4)	51 / 74	16
1015	1325	2835	10200	2	1 + 1/2	2 + 2/2	60 / 86	17
1015	1630	3540	12750	2 + 1/2	1 + 1/2	2 + 3/2 + (1/4)	70 / 102	18
1015	1940	4250	15300	3	1 + 1/2	3 + 3/2	83 / 114	19
1015	2245	4960	17850	3 + 1/2	1 + 1/2	3 + 4/2 + (1/4)	90 / 131	37
1015	2555	5670	20400	4	1 + 1/2	4 + 4/2	105 / 143	38
1325	710	1890	6800	1	2	2	43 / 63	20
1325	1015	2835	10200	1 + 1/2	2	2 + 2/2	58 / 85	21
1325	1325	3780	13600	2	2	4	66 / 96	22
1325	1630	4720	17000	2 + 1/2	2	4 + 2/2	78 / 113	23
1325	1940	5670	20400	3	2	6	89 / 126	24
1325	2245	6610	23800	3 + 1/2	2	6 + 2/2	97 / 144	39
1325	2555	7555	27200	4	2	8	112 / 156	40
1630	710	2360	8500	1	2 + 1/2	2 + 1/2	50 / 78	25
1630	1015	3540	12750	1 + 1/2	2 + 1/2	2 + 3/2 + (1/4)	67 / 103	26
1630	1325	4720	17000	2	2 + 1/2	4 + 2/2	77 / 116	27
1630	1630	5900	21250	2 + 1/2	2 + 1/2	4 + 4/2 + (1/4)	91 / 136	28
1630	1940	7085	25500	3	2 + 1/2	6 + 3/2	104 / 149	29
1630	2245	8265	29750	3 + 1/2	2 + 1/2	6 + 5/2 + (1/4)	113 / 166	41
1630	2555	9445	34000	4	2 + 1/2	8 + 4/2	131 / 183	42
1940	710	2835	10200	1	3	3	60 / 90	30
1940	1015	4250	15300	1 + 1/2	3	3 + 3/2	74 / 118	31
1940	1325	5670	20400	2	3	6	83 / 132	32
1940	1630	7085	25500	2 + 1/2	3	6 + 3/2	99 / 155	33
1940	1940	8500	30600	3	3	9	111 / 167	34
1940	2245	9915	35700	3 + 1/2	3	9 + 3/2	122 / 188	43
1940	2555	11335	40800	4	3	12	138 / 202	44

Table 2: Technical data for F340 / F344

- 1) Dimensions: refer to Table 1
- 2) Construction: one stage / two stages
- 3) Quantities for each stage in a two-stage construction

Technical data



Filter elements to be ordered separately.

In case of larger volume flow rates than specified in the table, two units are combined. The service doors for the filter change are located on the right and left.

Other combinations upon request.

All weights are net, without packaging.

Dimensions for universal casing for duct installation (widths: 2245 - 2555 mm)

Dimensions in mm		Nominal volume flow rate		Quantity Standard cell frame ¹⁾			Weight ²⁾	Code no.
B	H	l/s	m ³ /h	vertical	horizontal	total ³⁾	Approx. kg	[3]
2245	710	3305	11900	1	3 + 1/2	3 + 1/2	63 / 102	45
2245	1015	4960	17850	1 + 1/2	3 + 1/2	3 + 4/2 + (1/4)	84 / 133	46
2245	1325	6610	23800	2	3 + 1/2	6 + 2/2	94 / 148	47
2245	1630	8265	29750	2 + 1/2	3 + 1/2	6 + 5/2 + (1/4)	114 / 171	48
2245	1940	9915	35700	3	3 + 1/2	9 + 3/2	125 / 186	49
2245	2245	11570	41650	3 + 1/2	3 + 1/2	9 + 6/2 + (1/4)	140 / 210	50 ⁴⁾
2245	2555	13220	47600	4	3 + 1/2	12 + 4/2	157 / 225	51 ⁴⁾
2555	710	3780	13600	1	4	4	68 / 112	52
2555	1015	5670	20400	1 + 1/2	4	4 + 4/2	91 / 144	53
2555	1325	7555	27200	2	4	8	100 / 159	54
2555	1630	9445	34000	2 + 1/2	4	8 + 4/2	122 / 180	55
2555	1940	11335	40800	3	4	12	132 / 199	56
2555	2245	13220	47600	3 + 1/2	4	12 + 4/2	146 / 224	57 ⁴⁾
2555	2555	15110	54400	4	4	16	164 / 239	58 ⁴⁾

Tabelle 3: Technical data for F340 / F344

- 1) Dimensions: refer to Table 1
- 2) Construction: one stage / two stages
- 3) Quantities for each stage in a two-stage construction
- 4) For ease of transport, the universal casing will be delivered in component form.

Specification text

Universal casings for duct installation:

- » Universal casings for installation into ductwork
- » Standard cell frames for fitting of the filter element for separation of coarse and fine dust, and for the adsorption of gaseous odorous substances and contaminants.
- » Casing made of galvanised sheet steel.
- » Casing frame with wide sealing surfaces forms the connecting frame for units or ductwork.
- » Side service door (left or right) with handles and clamps.

Technical data:

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

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Filters

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