

Filter Housing, Holding Frames, U-Channels

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Technical Data

Filter

Pre-filters 45mm/ 150mm depth
 HEPA filters 150mm/ 292mm depth
 Carbon filters 292mm depth

Enclosing Frame

Galvanised Steel (Gi) for Housing
 Gi and SS304 for Holding Frames

Option

Powder coated in Galvanised Steel
 Stainless Steel 304

Filter Clamping

SS304 Bracket Clips

Optional

Differential Pressure ports
 Test ports
 Differential Pressure Gauges

Continuous Operating Temperature 80°C
 Relative Humidity 90%

Applications

Side Access or Front Loading Housings. Holding Frames or U-Channel Holding Frames.

Specifications

General characteristics

Side Access Filter Housing, Front Loading Holding Frames, U-Channel Holding Frames

Material

Housing structure made in galvanised steel welded. Optional for powder coating. Removable frontal door with perimetral gasket. The housing comes with 40mm connection flanges for connecting to the duct system.

Filter clamping

The filters are held on with C clips, spring hooks or bracket clips for front loading holding frames.

Filters

The housings are supplied without the filter elements. The following filters can be used:
 Nominal Sizes WxH: 24x24, 12x24
 Actual Sizes: 595x595 mm, 289x595mm
 Nominal depth 1"-22"
 No Header (NH) or Single Header (SH)



Dimensions

Model / Type	1st Layer filter dimensions	2nd Layer Secondary/ Carbon filter dimensions	Final Layer HEPA/ Secondary Filter dimensions	Depth inches
Side Access Housing 2-12SH	2 Pleated	C-cell 4" SH	NA	12
Side Access Housing 2-12SH	2 Pleated	Pocket/ Rigid Box/ Vcell SH 12"	NA	19
Side Access Housing 2-4	2 Pleated	4" C-cell NH	NA	11
Side Access Housing 2-12SH-4	2 Pleated	Carbon Vcell 12"	C-cell 4" NH	24
Side Access Housing 2-12SH-12SH	2 Pleated	12" SH Vcell,Rigid Box, Carbon	12" SH Vcell,Rigid Box, Carbon	32
HEPA Front Access with Bracket Holding Frame with Access Door V2"	NA	NA	12" SH 592x592 HEPA V with Vcell	32"

Model / Type	Material	Actual Size			Weight kg
		W mm	H mm	D mm	
3" Holding Frame	GI / SS	610	610	75	4.0
6" Holding Frame	GI / SS	610	610	175	7.0
12" Holding Frame	GI / SS	630	630	305	10.0
3" Bracket Holding Frame	GI / SS	610	610	75	7.0

Clips will be required unless for U-channel Holding Frames
 C1 - 1" Pleated C4 - 4" Pleated
 C2 - 1" Pleated + 1" SH C5 - 4" NH + 1" SH
 C3 - 2" Pleated + 1" SH C6 - 2" Pleated + 4" NH

ClipsSSBRAC Bracket Clips For Bracket Holding Frame 1" SH
 HEPA or Vcell Filters
 SC-130-C Spring Clip with C clip For 6" NH
 SC-260-H Spring Clip with Hook For 12" and 12"+1" SH
 SC-280-C Spring Clip with C clip For 12" and 12"+1" SH

Model (HxW) (FT)	No of filters	Actual Width H inches	No of filters	Actual Height W inches	No of filters	No of Full Size 24x24	Half Size 12x24	Quarter Size BM 12X12
21x21	1.0	24	1.0	27	1.0	1	0	0
31x31	1.5	36	1.5	27	2.25	1	2	1
41x21	2.0	48	1.0	27	2.0	2	0	0
51x31	2.5	60	1.5	39	3.75	2	3	1
41x41	2.0	48	2.0	51	4.0	4	0	0
61x31	3.0	72	1.5	39	4.5	3	3	0
61x41	3.0	72	2.0	51	6.0	6	0	0
81x41	4.0	96	2.0	51	8	8	0	0

Old sizes can be custom fabricated accordingly. Width and height dimensions are interchangeable.

