

## **SIDE WITHDRAWAL COMBINATION FILTER HOUSINGS**

**For Panels, Bags, Pad Frames, Carbons and HEPA Filters**

### **Applications**

Side Withdrawal Filter Housings are designed with efficient filtration in mind, ensuring that the filters selected can achieve their potential in critical applications.

This style of housing is often used to house HEPA filters in sensitive environments such as laboratories and hospitals. In addition it can be offered to house Carbon filters for odour control in restaurants, or the removal of harmful gases in medical or industrial applications.



### **Description**

Side Withdrawal Housings are fully welded and painted and can be configured to house any combination of filters including low to medium efficiency panel and bag filters through to High efficiency HEPA filters and Carbon Gas Filters.

Where HEPA or Carbon filters form part of the filter combination, a suitable seal and clamping system is installed and sealed into the housing. This ensures no air by pass can occur past the filter when installed correctly using 4 removable M8 fixing clamps.

Flanges are normally provided undrilled and will be 40mm unless otherwise specified. Lift off access doors are provided on both sides as required by the design, and are held in place with M8 Hand Wheels against a knife edge sealing flange.

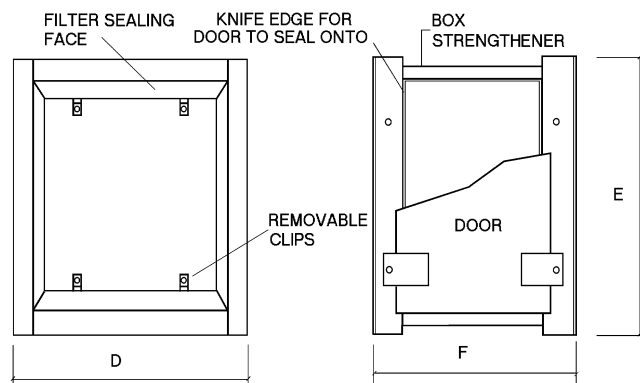
### **Technical**

Material : 1.5mm Zintec finished with Hammer Silver Grey Paint (Alternative colours available upon request)

Flanges : 40mm External Folded

Access Doors : Both Sides

Maximum Airflow Capacity : By Design



## SIDE WITHDRAWAL FILTER HOUSINGS

Casing Dimensions over flange (WHERE H & W = ACTUAL FILTER HEIGHT & WIDTH)			Max Flow Rate	Filter Combinations				Filter Widths	Part No.
H (E)	W (D)	D (F)		m3/s	Pre	Bag	HEPA		
H + 90	W + 90	380	1.09	100mm				Single	1840101
H + 90	2W + 95	380	2.18	100mm				Double	1840102
H + 90	W + 90	525	0.94		300mm			Single	1840103
H + 90	2W + 95	525	1.88		300mm			Double	1840104
H + 90	W + 90	1182	1.1	100mm	750mm			Single	1840105
H + 90	2W + 95	1182	2.2	100mm	750mm			Double	1840106
H + 90	W + 90	877	0.54		300mm		300mm	Single	1840107
H + 90	2W + 95	877	1.08		300mm		300mm	Double	1840108
H + 90	W + 90	1182	1.06		300mm		600mm	Single	1840109
H + 90	2W + 95	1182	2.12		300mm		600mm	Double	1840110
H + 90	W + 90	380	0.35			146mm		Single	1840111
H + 90	2W + 95	380	0.7			146mm		Double	1840112
H + 90	W + 90	525	0.75			292mm		Single	1840113
H + 90	2W + 95	525	1.5			292mm		Double	1840114
H + 90	W + 90	877	0.47	100mm		292mm		Single	1840115
H + 90	2W + 95	877	0.94	100mm		292mm		Double	1840116
H + 90	W + 90	1022	0.47		300mm	292mm		Single	1840117
H + 90	2W + 95	1022	0.96		300mm	292mm		Double	1840118
H + 90	W + 90	1519	0.47		300mm	292mm	300mm	Single	1840119
H + 90	2W + 95	1519	0.94		300mm	292mm	300mm	Double	1840120
H + 90	W + 90	1824	0.54		300mm	292mm	600mm	Single	1840121
H + 90	2W + 95	1824	1.08		300mm	292mm	600mm	Double	1840122
Weather Resistant Roof – Single Width									1840801
Weather Resistant Roof - Double Width									1840802
Spigot Plate X mm Dia – Single Width									1840803
Spigot Plate X mm Dia – Double Width									1840804
Joining Strip (For use where units are piggy backed or mounted side by side)									1840805
<b>NON STANDARD SIDE WITHDRAWAL CASE</b>									1840999

### Notes

- \* End posts are 64mm and central posts are 100mm
- \* Access doors on both sides - 40mm External flanges
- \* Max Face Size of filters is 609 x 609mm
- \* Standard door widths (opening dimension) 274 (252), 419 (397), 724 ( 702mm)
- \* Duct Dimensions : Duct Width = Casing Dimension over Flange – 80,  
Duct Height = Casing Dimension Over Flange - 80