

Terminal Housing for HEPA Filters

Applications

The Terminal Housing is the traditional method for fitting HEPA Filters into a ductwork system ensuring high quality clean air is supplied directly to the clean room or equipment where it is required.

The Terminal Housing allows air from the HEPA filter fitted within the housing, to have a minimal time period in which to collect contamination from the surrounding parts of the housing.

The HEPA Filter is changed from within the cleanroom, by removing the 4 way grille and the clamping bolts/removable clips, releasing the HEPA filter from its knife edge or liquid seal, sealing face.

In some applications changing the filter from within the cleanroom could compromise its cleanliness, and for this application a rear or side withdrawal system has been devised.

Airflow enters the housing from a spigoted connection which is circular on the back of the housing, or where roof void space is limited a rectangular side entry can be utilised.

Where negative pressure or containment facilities are built the terminal housing with a side entry spigot can be used for the return air installed within the side walls of the facility, with airflow passing in the reverse direction through housing.

Description

Fabricated from mild steel the various designs of housing can accommodate the wide range of HEPA filters available, utilising the traditional EPDM gasket against a knife edge or liquid seal filters.

The grille can be either a 2,3, or 4 way blow grille or an egg crate grille for reverse airflow applications, all with a removable core for access to the clamping system.

DOP insertion points and upstream pressure tapping points along with balancing dampers can be factory fitted as required.



STANDARD HEPA TERMINAL HOUSINGS

Casing			Diffuser		Style	Filter Size			Flow Rate	PD	Housing Only
H	W	D	H	W		H	W	D	m ³ /s	Pa	Part No.
346	346	370	355	355	Top Entry	305	305	146	0.06	250	1835101
591	591	370	597	597	T Grid Top Entry	550	550	146	0.19	250	1835102
591	591	520	597	597	T Grid Top Entry	550	550	292	0.38	250	1835103
591	591	430	597	597	T Grid Side Entry	550	550	146	0.19	250	1835104
591	591	580	597	597	T Grid Side Entry	550	550	292	0.38	250	1835105
650	650	370	659	659	Top Entry	609	609	146	0.23	250	1835106
650	650	520	659	659	Top Entry	609	609	292	0.47	250	1835107
650	650	430	659	659	Side Entry	609	609	146	0.23	250	1835108
650	650	580	659	659	Side Entry	609	609	292	0.47	250	1835109
NON STANDARD											1835999