

HEPA FILTERS : FOR KITCHEN EXTRACTS

Applications

HEPA (Absolute) filters can be used following a pre filter in the kitchen extract system to remove smoke created by cooking styles such as char grilling, from the air stream.

The HEPA filter will also benefit the kitchen extract by removing any residual grease in the air stream and therefore protecting the costly Activated Carbon Filter.



Construction

The filtration medium is provided by microfine glass fibres formed into a paper-like surface, supplied in various grades depending upon filtration efficiency required. The filter paper is formed into a close pleated package to provide a large surface area. Corrugated aluminium spacers are inserted between each pleat to provide support for the pleat and also ensure that the entire surface of the filtering medium is used.

Technical

Two grades of HEPA filtration can be offered which are used in the kitchen extract depending on the requirements of the system, whether it be a low pressure drop or complete smoke removal.

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| Size (mm) | GRADE | Efficiency @ 0.3 micron | Rated Airflow | Clean Pressure Drop | Part No. |
|--------------------|-------|-------------------------|---------------|---------------------|----------|
| 610H x 610W x 292D | H10 | 95% | 0.80 | 200 | 1510777 |
| 305H x 610W x 292D | H10 | 95% | 0.40 | 200 | 1510773 |
| 508H x 508W x 292D | H14 | 99.997% | 0.56 | 280 | 1510563 |
| 610H x 610W x 292D | H14 | 99.997% | 0.8 | 280 | 1510565 |

Notes

The above table shows a sample of common HEPA filters for kitchen extracts, other sizes are available upon request.