Filters

Application

Filtration unit to be incorporated in fume cupboards with external extraction. The filter may be located directly at the top of the fume cupboard or upstream before the fan. The filter should preferably be located in a place which allows it to capture the contaminant as close as possibleto the point of emission. Recommended for applications where air purification is required prior to release into the atmosphere. The filter will be defined depending on the application to be carried out. Polypropylene housing with access from the front.
Not recommended for use in fume cupboards working with high concentrations, large quantities or high thermal loads. In the case of compounds emitting ionizing radiation, see the chapter on RB and RG model fume cupboards.

Models

1. Housing

2. ST with Housing

Materials

- Filters for particulates.
- Filters for gas/vapour molecules.
- Pre-filter.

Optional accessories

- Alarm for particulate filter.
- Hour meter.

Technical data

Applicable to general purpose fume cupboards provided there are no large amounts of contaminant, high concentrations or high thermal loads.

The appropriate filter for every application will be selected depending on the products to be handled:
- Particulate filters.
- Filters for organic solvents.
- Filters for acids.

In the case of molecular filters, the contaminant will be retained by an absorption mechanism with active carbon. Every application will have a specific active carbon depending on the products handled.

The saturation of the particle filters will be carried out by measuring the differential pressure increase. In the case of active carbon filters, methods will be applied periodically to evaluate filter efficiency.