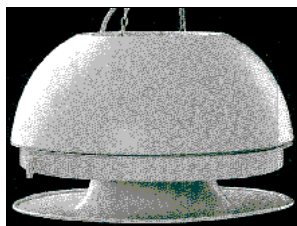


Fume Extractors

Filtaire™ Air Purifiers for Laboratories



Filtaire™ 300



Filtaire™ 200

Detailed literature available - please ask if required.

Filtaire™ air purifiers are designed to filter out particles, gases and bacteria. They work on a double filtration system, the first in the form of a long lasting spinning disc which collects particles down to sub-micron size, the second being a static filter where the air is projected through it at an acute angle. This enhances its effectiveness at capturing airborne bacteria as well as absorbing gases and odours.

The combination of particle, gas and bacteria entrapment ensures that wherever sited, the Filtaire™ purifier is able to provide a healthier atmosphere in which to work. In addition, there is no 'masking agent' involved and therefore no introduction of further possible pollutants. Maintenance is minimal involving only washing of spinning filters and replacement of static filters dependent on level of air pollution. There are three models available depending on the size of the area to be filtered:

- F220** Filtaire™ 300 with 90 watt motor ideal for individual offices, rooms, or small laboratories. Bench standing so can be placed close to the source of pollution, or more than one can be located in close proximity to the pollution source.
- F221** Filtaire™ 200 for larger laboratories, offices or rooms, usually ceiling mounted.
- F222** Filtaire™ 600 with 270 watt motor for large areas suffering high pollution levels.

Ductless Bench Top Powder Cabinets

All units incorporate a recirculatory filtration system

Portable Cabinets



The following systems provide the best Operator Protection when handling fine powders and dusts during weighing and testing.

Model XIT Pre- filters remove particles $>5 \mu\text{m}$. HEPA Filters are of a high capacity design and remove particulate matter $> 0.3 \mu\text{m}$ to an absolute filtration of 99.997%. All XIT cabinets have an optimum pre-set fan speed for face velocities of 0.3 to 0.7 ms^{-1} .

- F264/S** F3 - XIT - S powder cabinet
Internal dimensions mm: 455 High x 575 Deep x 415 Wide
- F264/D** F3 - XIT - D powder cabinet
Internal dimensions mm: 455 High x 506 Deep x 579 Wide

Model XIT Plus Safechange filter bagged under negative pressure, mechanical speed indicator, otherwise features as F3 - XIT.

- F265/8** XIT Plus - 800 powder cabinet
Internal dimensions mm: 780 High x 582 Deep x 734 Wide
- F265/10** XIT Plus - 1000 powder cabinet
Internal dimensions mm: 900 High x 582 Deep x 934 Wide
- F265/12** XIT Plus - 1200 powder cabinet
Internal dimensions mm: 900 High x 582 Deep x 1134 Wide

Options: Base tray
Fluorescent lighting (11W)
Trolleys

See separate price list

Please ask for
separate fume
hood price list

Ductless Bench Top Fume Hoods

Models 4002/6003/8004/1004/1204/1504

The ideal benchtop solution for handling small to medium quantities of chemicals at room temperature, for example weighing applications. Filtration compliance with OSHA regulation 1910:1450, AFNOR NFX 15-311 class II standard. Quiet operation, air velocity meter on all models. The rear panel may be a clear polyester or a white panel as a no cost option. Cabinets made from polyester coated steel and aluminium uprights are anodised for extra protection. Transparent panels are 8mm thick, highly corrosion resistant and easy to clean. Front door flaps are hinged to enable easy access for larger items of equipment.

Performance specifications

| Model | Description | Dimensions mm external Width x Depth x Height | Dimension mm internal Width x Depth x Height | Air changes/min at 0.5 m/s | Base tray |
|--------|--|--|---|----------------------------|-----------|
| BC4002 | Ductless filtration fume hood complete with pre-filter, carbon filter and HEPA filter on request | 410 x 540 x 900 | 380 x 495 x 580 | 24.0 | option |
| BC6003 | " | 600 x 570 x 1145 | 570 x 520 x 810 | 16.0 | option |
| BC8004 | " | 800 x 570 x 1145 | 770 x 520 x 810 | 11.8 | option |
| BC1004 | " | 1000 x 570 x 1145 | 970 x 520 x 810 | 9.4 | standard |
| BC1204 | " | 1200 x 570 x 1145 | 1170 x 520 x 810 | 7.8 | standard |
| BC1504 | " | 1500 x 570 x 810 | 1470 x 520 x 810 | 6.2 | standard |



Chemcap™ filters are easily accessed for servicing

Please ask for a quotation or our separate fume hood price list.



4002



6003



1004



1504

Filter Selection for Ductless Fume Hoods

Filter Table 1

Standard Prefilter for gases, vapours, dust and fumes, with or without liquid aerosols down to 5µm

Filter Table 2 - carbon filters for specific applications

Type AS where organic vapours predominate
Type BE where inorganic acid vapours predominate
Type F specific for formaldehyde
Type K specific for ammonia
Type G specific for radioactive iodine
HEPA particulate filter down to 3 µm

Laminar Flow Workstations

These horizontal flow workstations are ideal for use when working with chemicals or substances with unpleasant or dangerous odours where a strong horizontal airflow across the working surface is required. Air is drawn from the front through rear baffles before passing through the Chemcap™ filtration system, ensuring an even and non-turbulent pattern.

| Part no | Specification (All workstations) | Ext size W x D x H mm | Int size W x D x H mm |
|-------------|---|--------------------------|--------------------------|
| XXX HWC1000 | With standard prefilter. | 1000 x 710 x 1160 | 970 x 475 x 770 |
| XXXHWC1500 | Carbon filter and HEPA on request. | 1500 x 710 x 1160 | 1470 x 475 x 770 |
| XXXHWC2000 | The base tray is integrated with these workstations | 2000 x 710 x 1160 | 1970 x 475 x 770 |



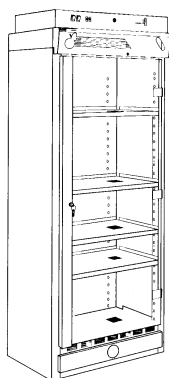


Filtering Chemical Shelf

A filtering shelf for the temporary storage of commonly used chemicals. Has two large capacity filters, a quiet fan, anti-acid coating, anti-storage sloping top and liquid absorbent material in the base. Can be wall mounted, placed on work surface or placed on optional stand.

Filtering shelf - filters as table 2 bottom of page 19.7.

Please ask for price list.



Vented Chemical Storage Cabinets

A self-contained, moveable cabinet with 5 shelves (4 adjustable) that can be sited near handling areas. Air extraction from bottom to top of cabinet where pollutants are filtered out. This system also filters room air as it is taken through the cabinet at a rate of 90 cubic metres/hour. Requires only a power outlet. Does not consume heated or air-conditioned air. Has a filter saturation detector, fan failure alarm and spill tray with chemical absorbent lining. Sparkless electronics and manufactured from non-corrosive metallic alloy. 180° locking door made from clear self-extinguishing polymethyl methacrylate. 230V/50Hz or 110-115V/60Hz. Double cabinet also available.

CS-834 Vented chemical cabinet dimensions mm 800 Long x 2150 High x 490 Wide

Filters as table 2 bottom of page 19.7

Please ask for separate fume hood price list