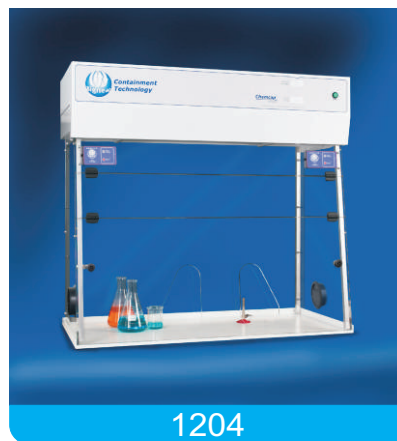


Ductless Mobile Fume Cupboard

for industrial applications

BS 7989
AFNOR NF X 15-211



Cabinet Features

For effective removal of chemical fumes, vapours and particulates.
No ducting is required, therefore installation costs are kept to a minimum.
Portability of these cabinets enables positioning in the optimum location, less walking around the laboratory thereby substantially reducing risk.
Safer for the environment, no pollution to the atmosphere, filters are removed and bagged for documented and accredited disposal.
Quiet operation, less than 50d(B)A and low power consumption.

Construction

The cabinets are manufactured from polyester coated steel.
Aluminium uprights are anodised for added protection, offering exceptional structural strength to support the 8mm thick transparent panels which are highly corrosion resistant and easy to clean in the event of accidental spillage.
Front door flaps are hinged to enable easy access for larger items of equipment.
The rear of the cabinet may be a clear panel or polyester coated white panel. This is offered as a no cost option.

Technical Information and Specifications

Ref Code	External Dimensions (Width x depth x height)	Internal Dimensions (Width x depth x height)	Air changes / minute	Base Tray
BC4002	410 x 540 x 900	380 x 495 x 580	24.00	Option
BC6003	600 x 570 x 1145	570 x 520 x 810	16.00	Option
BC8004	800 x 570 x 1145	770 x 520 x 810	11.80	Option
BC1004	1000 x 570 x 1145	970 x 520 x 810	9.40	Standard
BC1204	1200 x 570 x 1145	1170 x 520 x 810	7.80	Standard
BC1504	1500 x 570 x 1145	1470 x 520 x 810	6.20	Standard

**Ductless Filtration Fume Cabinet supplied with pre-filter, carbon filter of pre-determined type (See Filter Chart)
Add HEPA filter if required**

Optional Extras

Ref Code

- SO** Service option, cabinet supplied with swan neck water tap
Drip cup, gas tap and 13A socket
- L** 11 Watt lighting option
- MT** Mobile trolley with locking wheels
- MTC** Mobile storage cabinet
- B** Base tray manufactured from high density Polypropylene



Filter Selection

Chemical without particulates

Filter types OS and H+ are suitable for most Organic vapours and acid handling, however we Recommend:-

- Type **OS** filter where organic vapours predominate
- Type **H+** filter where acid vapours predominate
- Type **F** filter where formaldehyde predominates
- Type **AM** filter where ammonia predominates
- Type **RI HEPA** when radioactive iodine is used

Chemical with particulates

- Type **OS HEPA**
- Type **H+ HEPA**
- Type **F HEPA**
- Type **AM HEPA**
- Type **RI HEPA**



Standards (AFNOR NF X 15-2 Class II and BS 7989:2001

AFNOR NF X 15-211 is a European standard for ductless filtration and specifically relates to filtration performance.

AFNOR defines the criteria that a recirculatory cabinet must meet in two phases of its use. These are in the normal operation phase of the filters life and in the saturated phase. Meeting these precisely defined standards and assured low levels of chemical release through the filters, protects users at all times.

BS 7989 is the British Standard that defines the specification and operation of ductless fume cabinets, their manufacture, supply, installation and use.

It is a very comprehensive HAZARD CONTAINMENT specification. **BS 7989** covers aspects of safety including electrical, mechanical, chemical, sound levels, ergonomics, assessment of potential hazard before use. Materials of construction, the filtration system and the testing of filters and commissioning.

Chemcap filtration systems are used in all cabinets and provide a filter efficiency of 99.9% throughout the life of the filter, with no deterioration in performance.

This capability is the result of many years of research and development, and the use of rigorous quality control procedures to maximise physical adsorption of organic species and chemical adsorption of acids and alkalies.

Tests carried out by the University of Portsmouth have demonstrated the outstanding adsorption capacity of **Chemcap** Filters in comparison with other products.

Levels of toxic species in recirculated air are well within the recommended occupational exposure limit for pollutant gases having molecular weight equal to or greater than 30



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