

CIRCULAIRE FUME CUPBOARDS

(WITH LOW AIRFLOW ALARM)

Image: Circulaire 900
with spill tray



Circulaire Non-Ducted Fume Cupboards

- Three standard sizes - 550mm, 650mm and 900mm wide
- Large capacity carbon filters
- Low energy fan - Just 80w power consumption
- Easy change pre-filters for gross particulate
- Animated colour LCD display
- Low airflow alarm with audible and visual warnings
- Optional filter saturation alarm
- Internal lighting for maximum illumination of the working area
- Double side glazing for natural light and comfortable working
- Cable entry port
- Optional removable deep lipped spillage tray
- Fixed large sash opening to ensure optimal containment
- Hinged front for occasional access to the working area



Air flow direction

PRODUCT DETAILS

Image: Front panel showing optional filter saturation alarm



Practical, Affordable and Functional

The Circulaire range of filtration fume and particulate containment cabinets offer total practicality and suitability for a huge variety of applications.

With large capacity deep fill carbon filters fitted the cabinets can be used for a huge range of chemical containment applications such as solvent, ammonia, sulphur, acid, ether fumes and many more. With HEPA (High Efficiency Particulate Air) or ULRA (Ultra Low Particulate Air) filters fitted, particulate down to 0.12µm in size can be contained making the cabinets fantastic for use with balances, asbestos or most other particulate applications. All cabinets can be fitted with carbon and/or particulate filters.

The range of cabinets offer unparalleled green credentials. With power ratings of just 80 watts and noise levels at 52 db(A), this makes them some of the most economical and quiet cabinets available.

There are three cabinets in the range offering a choice of sizes at 550mm wide, 650mm wide and 900mm wide. All three cabinets are supplied with wide and high working apertures making them extremely easy, comfortable and functional to use and work with. This aperture allows fantastic access to the working area during normal operation and also hinges fully open to allow total access to the working area for installation of apparatus or equipment.

To ensure the cabinet is functioning correctly, every model has an animated colour LCD display showing that the airflow is working within safe and calibrated parameters. If the airflow drops, then the display changes and an audible alarm will sound to alert the user to any maintenance requirements.

For critical chemical applications a carbon filter saturation alarm can be included to indicate to the operator when the carbon filter is nearing the end of its life.

The cabinets have been manufactured from epoxy powder coated zintec mild steel to give years of uninterrupted service. For extremely aggressive applications such as working with acids, we can manufacture the whole cabinet from chemically resistant polypropylene. The polypropylene cabinets have the same functionality, features and performance as the steel versions, just with added chemical compatibility.



SPECIFICATIONS

Carbon Filter Types		Circulaire 550	Circulaire 650	Circulaire 900
AC	General organic compounds (i.e elemental iodine, solvents)	12 kgs	14 kgs	18 kgs
ACID	Acidic compounds	12 kgs	14 kgs	18 kgs
ACR	Alkali compounds	12 kgs	14 kgs	18 kgs
AMM	Ammonia and Amine containing compounds	12 kgs	14 kgs	18 kgs
CYN	Cyanide compounds	12 kgs	14 kgs	18 kgs
ETHER	Ether compounds	12 kgs	14 kgs	18 kgs
FORM	Aldehydes	12 kgs	14 kgs	18 kgs
SUL	Sulphur compounds	12 kgs	14 kgs	18 kgs
MCH	Special blend of up to 4 of the above carbon types	12 kgs	14 kgs	18 kgs
SCHOOLS	Tri-layered filter for schools	12 kgs	14 kgs	18 kgs
HEPA Filters				
HEPA	99.997% efficient @ 0.3µm - for particulate containment	YES	YES	YES

Optional Accessories

Polypropylene / Fibreglass / Stainless Spillage tray options

Gas and water services

Base Stand

Custom sizes for increased height, width or depth

Model	Circulaire 550	Circulaire 650	Circulaire 900
External Dimensions (WxDxH mm)	550 x 600 x 1082	650 x 600 x 1082	900 x 600 x 1082
Internal Dimensions (WxDxH mm)	530 x 600 x 760	630 x 600 x 760	880 x 600 x 760
Working aperture size (WxH mm)	500 x 300	600 x 300	800 x 250
Airflow	290m ³ /hr	340m ³ /hr	360m ³ /hr
Face Velocity	>0.5m/sec		
Internal Lighting	18 watt fluorescent		
Pre-Filter	Filtrete		
Filter Weight (sold separately)	12kg	14kg	18kg
Fan	Centrifugal, Brushless and Sparkless		
Noise Level	<52db(A)		
Electrical Supply	230V - 80 watts		

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