Creating Safer Workplaces

CT1400 CIRCULAIRE TOUCHSCREEN FUME CUPBOARDS

DESCRIPTION

The Circulaire® Touchscreen Filtration Fume Cupboards solutions feature the very latest in air filtration technology. The high-quality filters are 30% larger than rival cabinets and significantly deeper, making the laboratory fume removal and air purification more efficient, effective and safe.

The Circulaire® Filtration Fume Cupboard is fitted with ultra-deep Activated Carbon or HEPA filters to guarantee maximum fume filtration efficiency. The main filters consist of activated carbon that will be specifically matched to your application and are monitored with a hydrocarbon detection system to assist in the replacement of carbon filters. As an alternative, a HEPA filter may be specified with containment of particulate to 99.997% efficiency at 0.3µm

Fully compliant with COSHH regulations and international standards including BS7989:2001 for Filtration Fume/Particulate Cupboards. The revolutionary Visionaire® Touchscreen Control Interface is integrated into the cabinet to control & monitor all aspects of product operation.

The cabinets are constructed from fully welded mild steel that has been polyester powder coated to prevent corrosion. The range is also fitted with the latest digital high-performance fans to ensure low noise operation and low energy consumption, using a fraction of the power consumption of rival models. The work surface is a removable, one piece crevice free moulded GRP tray with high lipped sides ensuring any spillage is contained within the cabinet. A cable entry flap is also supplied as standard on all models.

The unit's Folding Sash allows excellent access to the work area with a sash height of 280mm. Overhead LED lighting ensures the work area is well lit and easy to work in.

TECHNICAL SPECIFICATION

External Dimensions (W x D x H)	1400mm xx 1285mm x 700mm*
Aperture (W x H)	1100mm x 274mm
Face Velocity	Typically set at 0.55m/sec – Can be adjusted depending upon application
Sound	<59dB
Main Filters	Large Capacity CARBON or HEPA
Outlet Filter	Large Capacity CARBON or HEPA (Optional)
Weight	140kg
Power	161W

*Optional HEPA Outlet +25mm/Optional Carbon Outlet -25mm Height

ACTIVATED CARBON FILTERS

Carbon Code	Suitable For Removal Of
AC	General Organic Compounds (iodine, Solvents, Odours etc)
ACID	Acidic Compounds (and general organics)
ACR	Alkali Compounds (and general organics)
AMM	Ammonia & amine compounds (and general organics)
CYN	Cyanide Compounds
ETHER	Ether Compounds (and general organics)
FORM	Aldehydes (and general organics)
SUL	Sulphur Compounds (and general organics)
MCH	Special blend of up to 4 of the above carbon types
ED	Tri-Layered Filter for schools (organic, acid & alkali removed)

FEATURES

- Visionare® Touchscreen
- Large Capacity Carbon or HEPA Filters
- Automatic Airflow Compensation
- Easy Change Filters
- PIR Movement Sensors detect periods of inactivity and employ ECO-Mode*
- Optional stand available

AES OFFER INSTALLATION AND SERVICE SUPPORT FOR ALL EQUIPMENT

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HIGH QUALITY CARBON FILTERS

The cabinet incorporates the largest possible filters to provide full compliance with BS7989:2001 and COSHH regulations.

The main filter consists of 18kg of activated carbon that will be specifically matched to your application (See below for a full list of available carbon filters). Clean air is drawn through the front aperture by the fan at a speed of 0.5m/s before passing through the particulate prefilter and carbon filter in the head section. The filtered air is then expelled back into the room from the top of the cabinet. As an alternative, a HEPA filter may be specified with containment of particulate to 99.997% efficiency at 0.3µm.

CARBON AIR FILTRATION

Air is initially drawn in from the laboratory before passing through the Carbon and/or HEPA filters, removing all contaminated particles and recirculating clean air back in the working environment.

The solution is fitted with ultra-deep Activated Carbon filters to guarantee maximum fume filtration efficiency whilst PIN controlled supervisor settings and mutable alarms ensure that the system integrates seamlessly into the customer environment.

All system electrics are completely isolated from the airstream meaning that there is no possible source of ignition of gases or fumes, providing complete operator and environment safety.

Clean Air
Contaminated Air
Working Environment Air
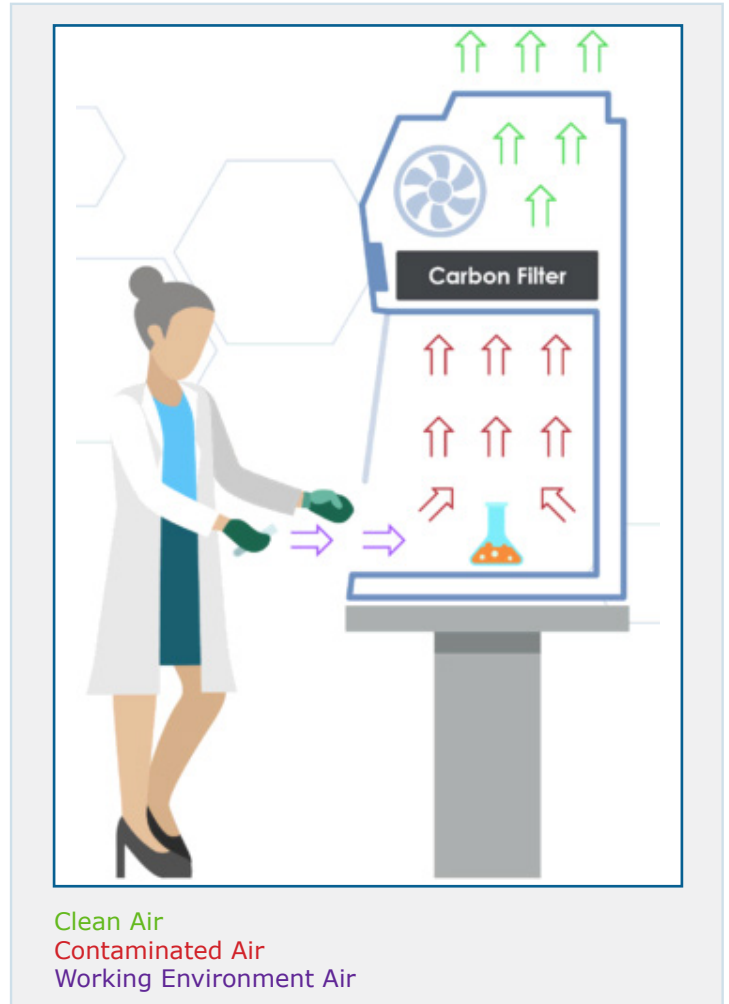
ULTRA DEEP CARBON FILTERS

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