

Ductless Fume Cabinets & Hoods



Operating to
recognised worldwide
Standards:

AFNOR NFX 15-211:2009
BS7989:2001

Energy efficient fan system incorporating Chemcap carbon filtration



Ideal for the safety conscious laboratory

GLOBAL LEADER

Caron has been manufacturing in the UK since 1972 and is leading the World in containment technology and laboratory safety cabinets. In the past decade our Chemcap ductless fume cabinets with Chemcap filtration have been sold to over 70 countries.

WHY CARON CABINETS?

Caron cabinets operate with excellent airflow control, highly efficient carbon filtration, are energy efficient and easy to use. Clearview acrylic enclosure provides an unobstructed all-round 360 degree view of the working area, making this cabinet comfortable to use for long periods.

Caron's ductless fume cabinets are a great choice for your laboratory.

LEADER IN CARBON FILTRATION TECHNOLOGY:

Chemcap Laboratory grade carbon filter media is impregnated with additives to ensure the best possible retention capacities and filtration performance.

Caron was one of the first companies to replace potentially toxic and carcinogenic inorganic additives with environmentally friendly and biodegradable compounds whilst maintaining excellent performance.



LABORATORY AIR ENTERS THE CABINET PAST THE USER

AIRBORNE CONTAMINANTS DRAWN AWAY AND INTO THE FILTER

CLEAN AIR IS RETURNED TO THE LABORATORY

THE EFFECTIVE WAY TO ELIMINATE AIRBORNE LABORATORY HAZARDS

DUCTLESS FUME CABINETS

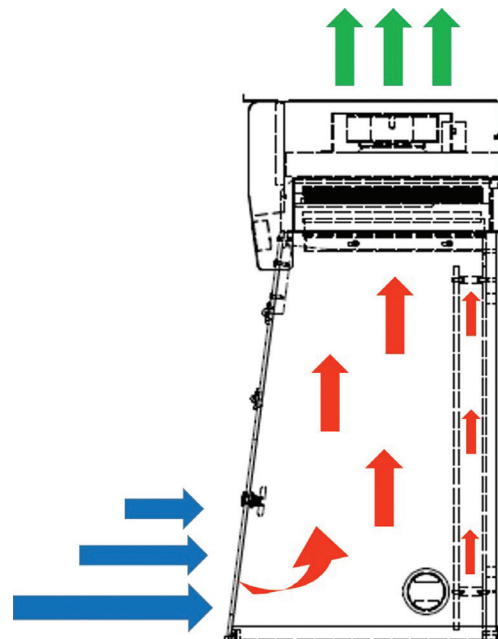
From 400mm wide Model



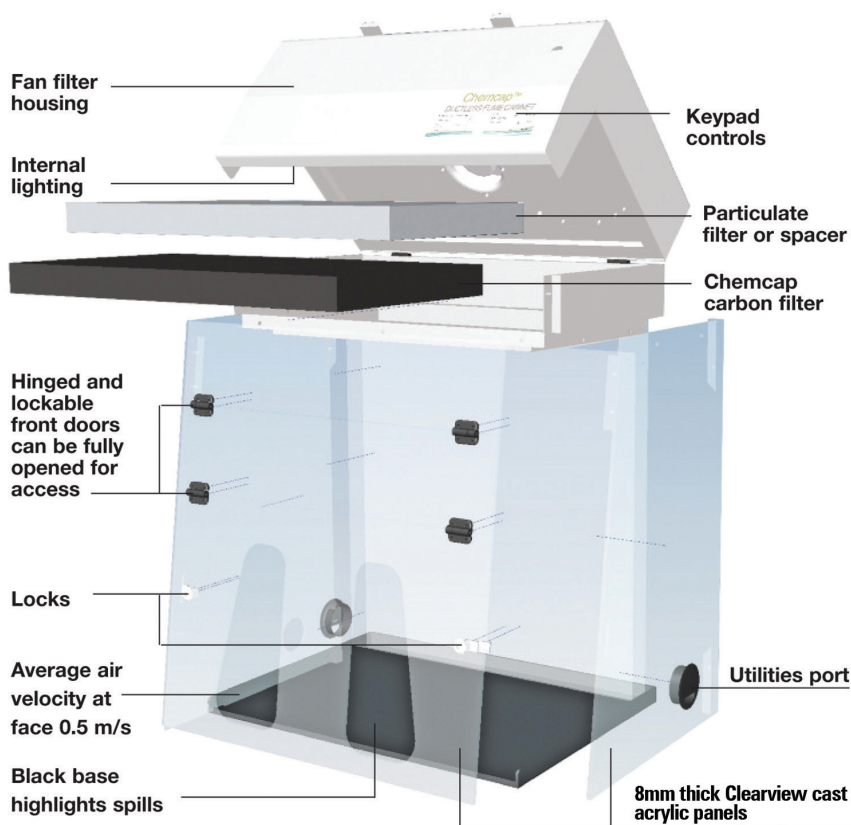
To 1500mm wide Model



AIRFLOWS IN A CLEARVIEW ENCLOSURE



CABINET ESSENTIALS



Opening style 'teardrop'

KEY FEATURES

- Highly visible touchscreen control panel with filter life and airflow indicators
- Audible electronic low airflow alarm
- Clearview all-round vision
- Easy clean – all materials chemically resistant
- Energy efficient fan system
- Energy efficient LED lighting
- Lockable front access window
- Pre-filter can be bagged under negative pressure
- Quiet operation

OPTIONAL EXTRAS

- B – Rear baffle
- FSA – Electronic filter saturation alarm
- FHP – Heat protection shield for filters
- SK – Services kit - see mobile bench for details
- ES – Top hat exhaust spigot
- STB – Stainless steel base tray upgrade

Model	Description	Dimensions mm (external wxdxh)	Dimensions mm (internal wxdxh)	Access Style	Face Velocity	Fan System Rated power	Sound Level dBA
400mm	Ductless Fume Cabinet supplied complete with pre-filter, Chemcap carbon filter of pre-determined type and HEPA filter on request. (Single filter stack)	410 x 540 x 900	380 x 495 x 580	Flap	0.5 m/s	Flap	<50
600mm		600 x 570 x 1145	570 x 520 x 810	Teardrop	0.5 m/s	Teardrop	<50
800mm		800 x 570 x 1145	770 x 520 x 810	Teardrop	0.5 m/s	Teardrop	<50
1000mm		1000 x 570 x 1145	970 x 520 x 810	Teardrop	0.5 m/s	Teardrop	<50
1200mm		1200 x 570 x 1145	1170 x 520 x 810	Teardrop	0.5 m/s	Teardrop	<50
1200mm	Supplied complete with 2x pre-filters, 2x carbon filters of pre-determined type and 2x HEPA Chemcap filters on request. (Double filter stack, double fan system)	1200 x 570 x 1145	1170 x 520 x 810	Trapezium	0.5 m/s	Trapezium	<55
1500mm		1500 x 570 x 1145	1470 x 520 x 810	Trapezium	0.5 m/s	Trapezium	<55

Cabinets available for power supply: 230VAC, 50/60Hz, 3Amp, 1Ø and 120VAC, 60Hz, 3Amp, 1Ø. Alternative front apertures can be requested or specially engineered for access to contained equipment such as a microscope. • Power is shown with fan and lighting.

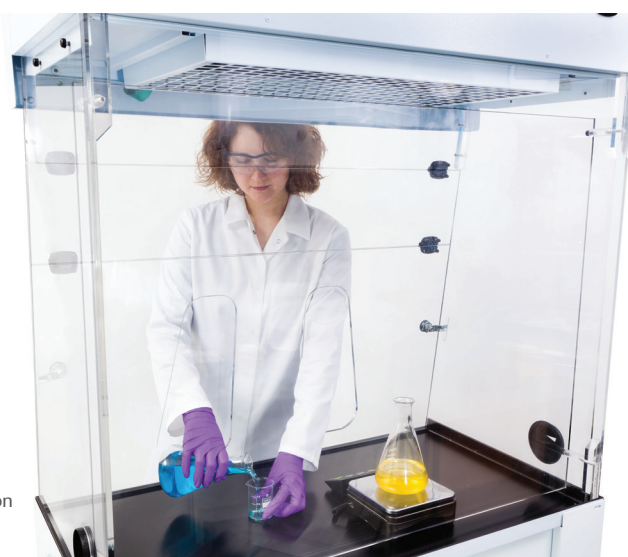
STANDARDS FOR FILTRATION AND CONTAINMENT

Caron Ductless Fume cabinets meet the requirements of all major and recognised Standards worldwide for containment and filtration, for example:

- British Standard BS 7989:2001 (for filter efficiency and retention capacity) ‡
- French Standard AFNOR NFX 15-211:2009 - Class 2 (for filter retention capacity)
- US Standard ASHRAE 110: 1995 12-203 (for containment)
- Canadian Standard CSA Z316.5 (for containment)

‡ See optional extras, rear baffle required

Clear all-round vision



PROTECT YOUR LABORATORY STAFF AND IMPROVE THE LABORATORY ENVIRONMENT

When you want to contain and remove hazardous fumes, vapours and/or particulates in your laboratory, turn to Caron.

SAFETY FIRST: Ductless Fume Cabinets offer protection to laboratory staff when undergoing experimentation, testing or hazardous procedures that release fumes, aerosols, particles or vapours. Hazardous compounds are retained in a chemical filter and particulate HEPA filter (option) and clean air is returned back to the laboratory. An operating Chemcap cabinet will remove odours and purify air within the laboratory. It freshens up the environment, making it a safer, more pleasant place to work and improves the wellbeing of laboratory personnel

ENERGY SAVING: The majority of the electricity consumed by a ductless fume cabinet is by the fan, which creates the airflow. Conventional fume cupboards draw air-conditioned air out of the room and it is ducted away. Whenever possible use your ductless Chemcap cabinet which saves the cost of heating or cooling replacement air for your laboratory.

CONVENIENT: An important feature of Caron ductless fume cabinets is their portability; they can be moved easily to wherever laboratory procedures are to be undertaken. Less walking – less risk.



ENVIRONMENTAL STATEMENT:

CHEMCAV FILTERS ARE KIND TO THE ENVIRONMENT

- Long lasting construction and low environmental impact at installation.
- Eliminates the release of hazardous emissions into the environment.
- Reduces your CO₂ footprint energy consumption (comparing ducted vs ductless).

CABINET FILTRATION TECHNOLOGY

Carbon filtration for chemical fumes and vapours.

Highly efficient Chemcap filters eliminate toxic substances and compounds within the recommended occupational exposure limit for pollutant gases having molecular weight equal to or greater than 30. Efficiency is 99.9% for the duration of the filter life with no deterioration in filter performance.

Particulate filtration for aerosols and particulates.

Pre-filters fulfil the need to arrest larger particles and are fitted to all Chemcap Clearview cabinets, HEPA filtration is fitted as an option when aerosols and small particles require removal. This can be upgraded to ULPA filtration when nanoparticle removal is required.



FILTER SELECTION

Filters OS and H+ are suitable for most organic vapours and acid handlings. However we recommend when:	Composition of Vapours handled	Filter Type 2-stage without particulates	Filter Type 3-stage for chemicals with particulates (HEPA)
Organic compounds predominate	ORGANIC VAPOURS secondary acids	Filter OS	Filter OS HP
Acid compounds predominate	ACID VAPOURS secondary organic vapours	Filter H+	Filter H+ HP
Formaldehyde predominates	FORMALDEHYDE	Filter F	Filter F HP
Ammonia predominates	AMMONIA	Filter AM	Filter AM HP
Uses are varied	MULTIPURPOSE (Universal)	Filter MP	Filter MP HP

Carbon filters sold separately from units. To check out which filter is best for your applications, please consult with your local Caron sales representative, or send an inquiry to UKsales@caronproducts.com

QUALITY ASSURED

CE Caron 230V systems are CE marked

Caron manufactures from UL listed components

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