

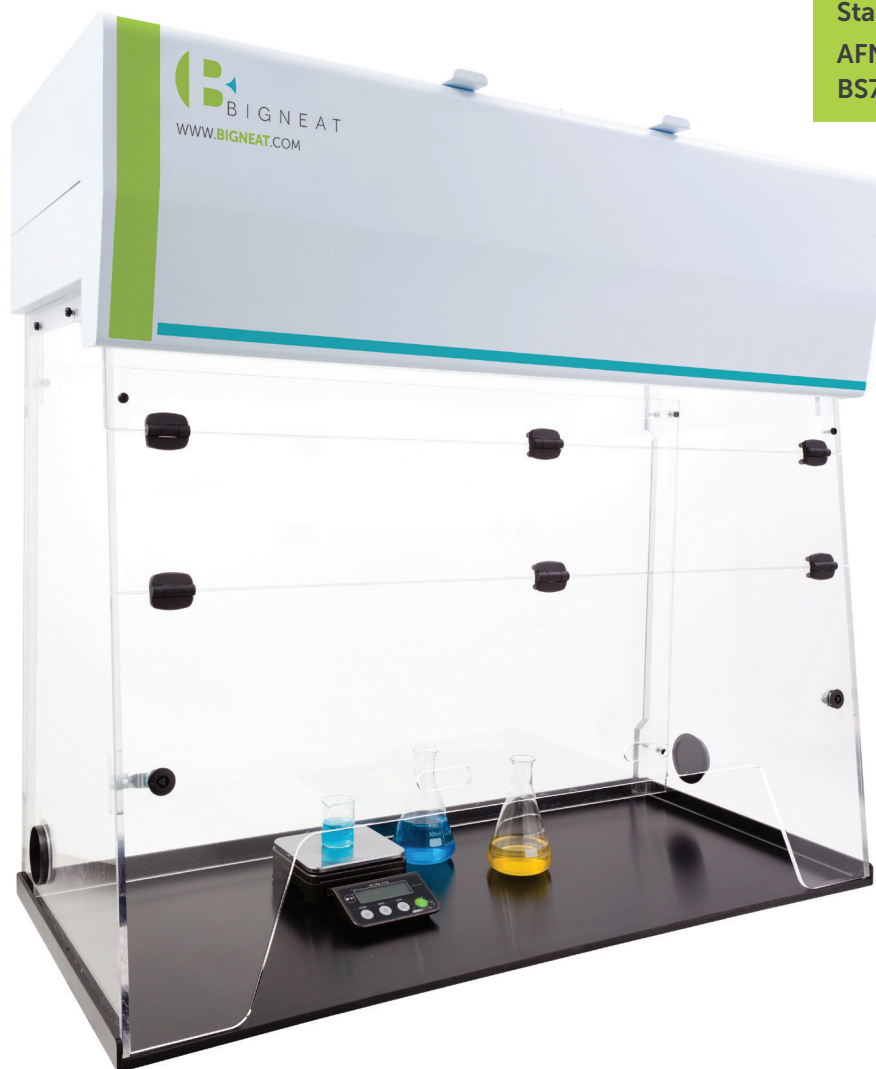


B I G N E A T
A CARON
COMPANY



CHEMCAP CLEARVIEW™

Ductless Fume Cabinets & Hoods



Operating to
recognised worldwide
Standards:
AFNOR NFX 15-211:2009
BS7989:2001

Energy efficient fan system incorporating Chemcap carbon filtration



Chemcap Clearview is ideal for the safety conscious laboratory

COMPREHENSIVE WARRANTY NOW UP TO 7 YEARS



B I G N E A T
A CARON
COMPANY

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GLOBAL LEADER

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

WHY CHEMCAP CLEARVIEW?

Chemcap Clearview cabinets operate with excellent airflow control, highly efficient carbon filtration, are energy efficient and easy to use. View of the working area is an unobstructed all-round 360° and this makes a cabinet comfortable to use for long periods. Chemcap Clearview is a great choice for your laboratory.

LEADER IN CARBON FILTRATION TECHNOLOGY:

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

Bigneat 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

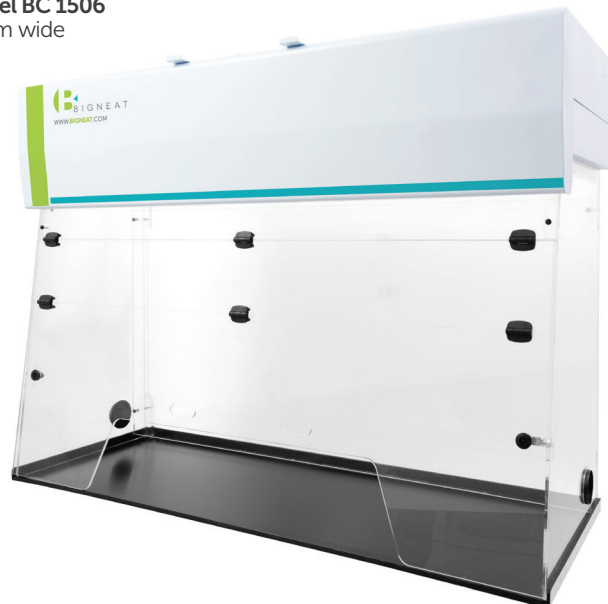
**CHEMCAP CLEARVIEW –
THE EFFECTIVE WAY TO
ELIMINATE AIRBORNE
LABORATORY HAZARDS**

CHEMCAP CLEARVIEWDUCTLESS FUME CABINETS & HOODS

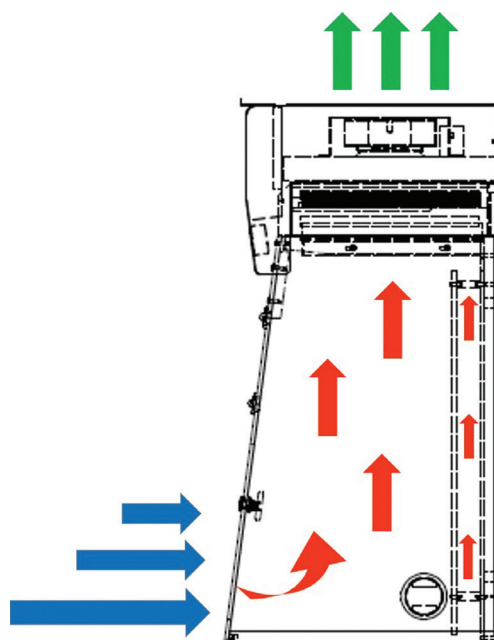


From **Model BC 4002**
400mm wide

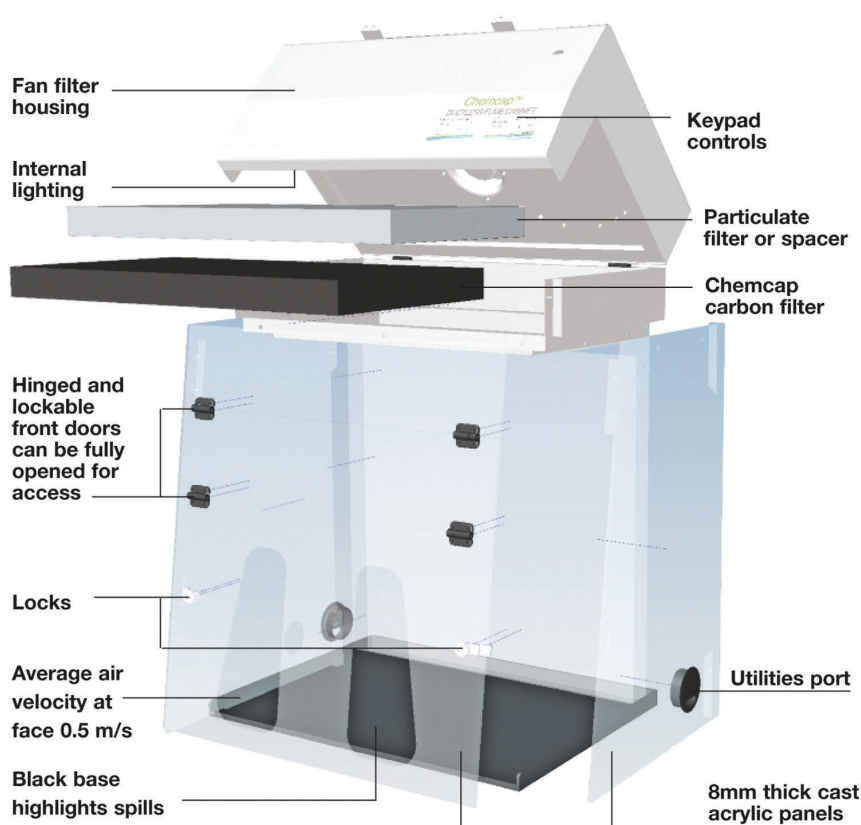
To **Model BC 1506**
1500mm wide



AIR FLOWS IN A CLEARVIEW CABINET



CHEMCAP CLEARVIEW™



Opening style 'teardrop'

KEY FEATURES

- Keypad control panel with touch button controls and service due indicator
- 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	Average Power Velocity Consumption*	Sound Level dBA
BC 4002	Chemcap Clearview Ductless Fume Cabinet supplied complete with pre-filter, 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	0.5 m/s	<50
BC 6003		600 x 570 x 1145	570 x 520 x 810	Teardrop	0.5 m/s	Teardrop	0.5 m/s	<50
BC 8004		800 x 570 x 1145	770 x 520 x 810	Teardrop	0.5 m/s	Teardrop	0.5 m/s	<50
BC 1004		1000 x 570 x 1145	970 x 520 x 810	Teardrop	0.5 m/s	Teardrop	0.5 m/s	<50
BC 1204		1200 x 570 x 1145	1170 x 520 x 810	Teardrop	0.5 m/s	Teardrop	0.5 m/s	<50
BC 1206	Supplied complete with 2x pre-filters, 2x carbon filters of pre-determined type and 2x HEPA 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	0.5 m/s	<55
BC 1506		1500 x 570 x 1145	1470 x 520 x 810	Trapezium	0.5 m/s	Trapezium	0.5 m/s	<55

Cabinets available for power supply: 230VAC, 50Hz, 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.

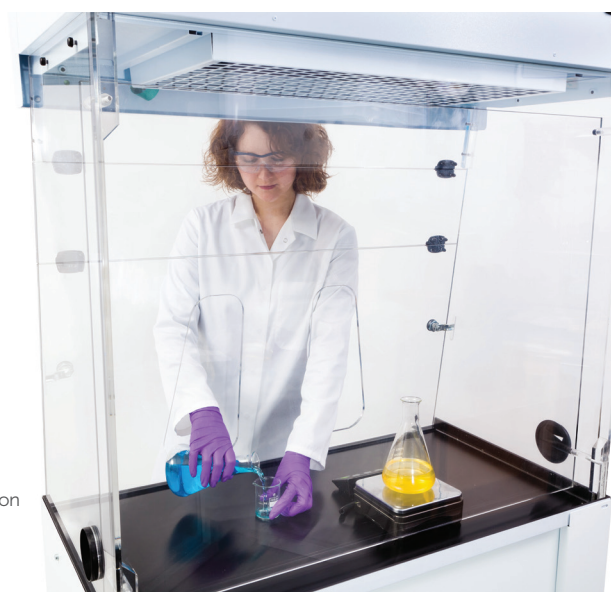
STANDARDS FOR FILTRATION AND CONTAINMENT

Chemcap Clearview 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 Chemcap Clearview.

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 Chemcap cabinets is their portability; they can be moved easily to wherever laboratory procedures are to be undertaken. Less walking – less risk.

OPTIONAL BENCH

For your cabinet to be freestanding, select an open bench or cupboard unit either static or mobile.

A variable height bench with motorised adjustable legs, mobile or static, is available on request.



ENVIRONMENTAL STATEMENT:

CHEMCAP CABINETS 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).



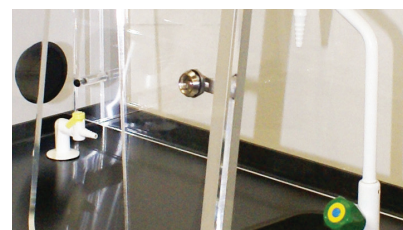
TECHNICAL INFORMATION

Size mm	MT	MTC	MTA *	Dimensions mm (external wxdxh)
600	Chemcap Clearview Ductless Fume Cabinet supplied complete with pre-filter, carbon filter of pre-determined type and HEPA filter on request. (Single filter stack)	Bench, pressed mild steel, epoxy coated, with cupboard doors (magnetic catches). Available with levelling feet or lockable castors.	Bench, robust construction, epoxy coated, 4-leg frame, with motorized height adjustment. Available with levelling feet or lockable castors.	600 x 570 x 860
800				800 x 570 x 860
1000				1000 x 570 x 860
1200				1200 x 570 x 860
1500				1500 x 570 x 860

* Available for 1000 and 1200 mm cabinets (maximum combined weight of cabinet/hood and enclosed equipment cannot exceed 180kgs)

BENCH OPTION

SK - Services Kit. Mobile bench or stand to be supplied with swan neck water tap with drip cup, gas tap and electrical socket.



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.



► CHOOSING YOUR OPTIMISED CHEMCAP FILTRATION

Bigneat offers a multi-purpose (universal) filter which should be selected when a fume cabinet is to be used for a variety of different procedures and handlings.

For best performance Bigneat's chemist recommends choosing an optimised filter which will give the best retention and a long filter life.

► 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
Radioactive particles are present	RADIOACTIVE IODINE			Filter Ri HP
Mercury is present	MERCURY			Filter Hg HP
Uses are varied	MULTIPURPOSE (Universal)		Filter MP	Filter MP HP

To check out which filter is best for your applications please download a Chemcap Filter Chemical Activity and Retention Listing Datasheet at: www.bigneat.com/filtration.

OPTIONAL SUPPORT STAND



A static, open-frame, supporting bench with foot rest bar (height to work surface 860mm).

Available for 800/1000 and 1200 mm cabinets; a variable height supporting bench – electrically adjustable.

EXCEL PLUS SAFECHANGE



Excel Plus Workstations are used for the most demanding powder handling applications, such as high accuracy weighing, processing of pellets, capsules and tablets or for dispensing of potentially toxic powdered substances.

The Safechange cabinet in the Excel Plus range has been designed to provide the safest possible operation for both the user and maintenance staff.

► TRUE SAFECHANGE TECHNOLOGY FEATURE

Cabinet incorporates a 'True Safechange' mechanism that enables the safe removal of HEPA particulate filters. Replacement is performed under negative pressure with the cabinet running. This is an alternative to a bag-in/bag-out system.

► SPECIALIST APPLICATION AND CUSTOM BUILT WEIGHING STATIONS

Please tell us of your specific needs and our design team will offer a custom enclosure solution or bespoke finishing of a standard cabinet.

FILTRATION USED IN BCEE ENCLOSURES

Pre-filtration eliminates particles at 5.0µm or larger to an efficiency of 92% as defined in BS EN ISO 779.

HEPA filtration (H14 Standard) eliminates particles 0.3µm or larger to an efficiency of 99.995% as defined in EN 1822.

ULPA (H16 Standard) is available as optional upgrade (on certain models) and has an efficiency of 99.999% for particle sizes of 0.1 – 0.3µm MPPS (Most Penetrating Particle Size) as defined in EN 1822.

► QUALITY ASSURED



Bigneat is accredited to BS EN ISO 9001: 2008



Bigneat systems are CE marked

Bigneat manufactures from UL approved components

COMPREHENSIVE WARRANTY NOW UP TO 7 YEARS

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