

For a fume hood to contain and remove hazardous fumes, vapours, gases, and/or particulates in a laboratory, TPE's line of ductless fume cabinets may be the perfect choice. Complying fully with AS/NZS 2243.9:2009 standards, these fume cupboards incorporate *Chemcap*[®] expertise in carbon and HEPA-type filtration.

Available in two models and in a variety of sizes and door configurations, all Advanced Air[®] ductless fume cabinet models offer superior protection for the operator and lab environment while providing a full view of the work surface and its contents from all sides of the unit. A Mobile Stand is available for each model.

NOTE: Ductless fume cabinets are only recommended in low-risk, low-volume (<100mL) chemical applications.



Chemcap CLEARVIEW, Model BC1204



CLEARVIEW Features

- ▶ 6 models available, w/ 3 door styles offered.
- ▶ 400, 600, 800, 1000, 1200, & 1500mm widths.
- ▶ 3 filter capability.
- ▶ Internal lighting optional.

Features for both CLEARVIEW and PRO2

- ▶ Full wrap-around visibility of work surface.
- ▶ Audible *Low Airflow* alarm.
- ▶ Quiet operation, less than 50dBA.

Chemcap Pro2, Model BC1504



PRO2 Features

- ▶ 3 models available, all w/ trapezium door style.
- ▶ 1048, 1548, & 2048mm widths.
- ▶ 4 filter capability.
- ▶ Internal lighting standard.
- ▶ Back-up carbon filter included.

- ▶ Touch- button controls with *Service Due* indicator.
- ▶ Chemically resistant, easy-to-clean surfaces.
- ▶ Lockable doors.

Description and Technical Information

Part No.	Description	Dimensions mm (external wxdxh)	Dimensions mm (internal wxdxh)	Access style	Face velocity	Power consumption	Sound level dBA	Boxed weight kg	Boxed dimensions
BC4002	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	60W•	<50	71	715 x 660 x 7605
BC6003		600 x 570 x 1145	570 x 520 x 810	Teardrop	0.5 m/s	60W•	<50	91	960 x 710 x 760
BC8004		800 x 570 x 1145	770 x 520 x 810	Teardrop	0.5 m/s	60W•	<50	105	1020 x 930 x 760
BC1004		1000 x 570 x 1145	970 x 520 x 810	Teardrop	0.5 m/s	60W•	<50	127	1140 x 1010 x 735
BC1204		1200 x 570 x 1145	1170 x 520 x 810	Teardrop	0.5 m/s	60W•	<50	151	1350 x 1010 x 790
BC1204	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	120W•	<55	170	1350 x 1010 x 790
BC1506		1500 x 570 x 1145	1470 x 520 x 810	Trapezium	0.5 m/s	120W•	<55	192	1640 x 1010 x 790

Specifications

Electrical	230V AC single-phase; 2M cord with standard wall plug for bench outlet
Work Surface Material	5mm uPVC
Window surround & door material	6mm clear acrylic
Framework Material	316 stainless steel tube
Lights	2-18Watt fluorescent lamps

Options

- ▶ Mobile Stand to fit fume cupboard base.
- ▶ Optional work surfaces: 6mm polypropylene or 16mm chemical-resistant laminate.
- ▶ Filtering choices are available to suit a wide variety of applications. TPE offers help in assessing the applicability of a ductless fume cupboard to the customer's application and in selecting the filter complement appropriate chemicals to be expected. Some of the filter options are described in the table below.
- ▶ Water, tundish, and sump are available; access ports can be included on back or sides for customer to feed external gas or electrical services to the cabinet.



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 (HPEA)*
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
Formeldehyde predominates	FORMELDEHYDE	→	Filter F	Filter F HP
Ammonia predominates	AMMONIA	→	Filter AM	Filter AM HP

Mercury is present	MERCURY	→		Filter Hg HP
Uses are varied	MULTIPURPOSE	→	Filter MP	Filter MP HP