

EDU Chemcap Ductless Fume Cabinet

for use in education



Ideal for teaching practical chemistry

Bigneat's EDU Chemcap fume cabinet (ductless, recirculatory filtration) is ideal for use in education, providing staff and students with a flexible system that allows excellent all round vision and ensures safety is maintained.

The use of Chemcap™ carbon filtration (type MP) makes it ideal for a mixed use laboratory and removes a very wide variety of fumes and vapours. Cabinets have trapezium shaped front access and double hinged front doors which open fully to allow access to the cabinet interior for loading, setting up an experiment and for cleaning. The base tray is black which is excellent for highlighting spillages. Two services ports with covers are provided in the rear panel.

Cabinet can be placed onto an existing work surface or supplied with its own mobile bench (optional cupboard doors and services kit). The mobile bench enables the cabinet to be fully mobile, large castors (lockable) facilitate easy movement of the cabinet from room to room over rough floors and door sills. The secure docking hub is an optional extra which is a wall mounted lockable cabinet providing security and protection for utility connections.

Providing the greatest protection possible in the safety conscious educational environment

EDU Chemcap cabinets protect from hazards; fumes, vapours and flying glass.

FEATURES

- Quiet operation >50dBA.
- Vaneometer airflow indicator.
- All round visibility of cabinet interior.

Bigneat is a global supplier of laboratory safety enclosures. In the past decade Chemcap™ Ductless Fume Cabinets have been sold to over 28 countries around the world.

In education, just as in industry, Bigneat provides cabinets that give the highest level of protection.



manufacturing enclosures
in the UK since 1972

EDU Chemcap exceeds the requirements of important international standards for use of recirculatory filtration cabinets in schools and colleges:

- Design Note 29 and Building Bulletin 88



Filtration Technology

Bigneat is a leader in carbon filtration technology: High performance laboratory grade carbon filter media is impregnated with additives to ensure the best possible retention capacity and filtration performance.

Chemcap Enviro Filters: Bigneat was one of the first companies to replace potentially toxic and carcinogenic inorganic additives with environmentally friendly and biodegradable compounds, whilst achieving excellent retention capacities that are amongst the best in the world.



Optional Extras

Secure Docking Hub. Security and protection for your students and staff - enables your cabinet to be moved around safely.



- Wall-mounted secure utility connections cabinet.
- Lockable, accessed by authorised users only.
- Customizable access plate in base.
- Connections secure at all times, in use or not.

Mobile Bench. Make your portable EDU Chemcap fume cabinet fully mobile with the addition of a robust epoxy coated pressed steel open stand (Part No. AT0013/01) or cupboard (Part No. AT0013/02). Large lockable castors assist when moving over rough floors and door sills. Double electrical socket included, mounted to the rear of the bench.

Mobile Bench Option

Services Kit Option. Gas tap and swan neck water tap with drip cup. Connectors and hoses (1.5m) are included (Part No. SK0001/01).



Technical Specification

Part Numbers	BE 1006/01	BE 1006/01 with AT0013/01	BE 1006/01 with AT0013/02
Description	EDU Chemcap ductless fume cabinet, for bench mounting. Pre-filter and Chemcap filters (x2), MP type.	EDU Chemcap ductless fume cabinet with open mobile bench. Pre-filter and Chemcap filters (x2), MP type.	EDU Chemcap ductless fume cabinet with mobile cupboard/bench. Prefilter and Chemcap filters (x2), MP type.
Dimensions (mm) WxDxH	1020x750x1130	1020x750x1950	1020x750x1950
Sound Level	<50dBA	<50dBA	<50dBA
Face Velocity	>0.3m/s	>0.3m/s	>0.3m/s
Power	96W	96W	96W
Air Changes	0.59 m3	0.59 m3	0.59 m3

Power supply: 230V, AC, 50Hz, 5Amp, 1Ø and 110V, AC, 60Hz, 8Amp, 1Ø.

EQUIPMENT FOR EDUCATION

FILTRATION USED IN EDU CABINETS

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

Carbon Filtration eliminates toxic species and compounds within the recommended occupational exposure limit for pollutant gases having molecular weight equal to or greater than 30. Efficiency 99.9%.

Optional: HEPA filtration (H14 Standard) eliminates particles 0.3 microns or larger to an efficiency of 99.995%.

OUR PROMISE:

Bigneat is committed to your safety and will advise on the suitability of EDU Chemcap Ductless Fume Cabinet for your applications. We will make suggestions as to good working practices and how best to maintain the safety and wellbeing of your staff and students using our cabinets.



EDU Chemcap with Secure Docking Hub.

Quality Assured



Bigneat is accredited to BS EN ISO 9001: 2008



Bigneat systems are CE marked

Bigneat manufactures from UL approved components

BIGNEAT CONTAINMENT TECHNOLOGY

Value. Service. Experience.

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