



# Educational

## Ductless Portable Fume Cabinets



**Providing the best operating performance  
& personal protection in the classroom**

**Ideal for teaching practical chemistry**

**Robust construction**

**Cost effective and energy saving**



Bigneat is known in laboratories all over the UK as a leading manufacturer and supplier of containment systems, for hazards such as fumes, vapours, particles and flying glass.



In the school laboratory, just as in industry, Bigneat provides cabinets that give the highest level of protection. Bigneat Educational Ductless Portable Fume Cabinets exceed the requirements of design note 29 and Building Bulletin 88 governing the use of fume cabinets in schools.

## Construction

All Bigneat Cabinets are manufactured from corrosion resistant steel with a polythene coating for added protection. The 8mm thick transparent enclosure panels are also corrosion resistant and easy to clean in the event of accidental spillage.

## Service Option

Cabinets can be supplied with additional fittings:

- Swan neck water tap with drip cup
- Gas tap
- 13 amp twin electrical socket

## Filtration

Chemcap™ filters are manufactured to rigorous quality standards. Tests carried out by University of Portsmouth have demonstrated outstanding absorption capacity.

Chemcap™ filter casings are designed to carefully control cabinet airflow, ensuring even absorption across filter bed.

Chemcap™ MP Multi-purpose Filters provide a filtration efficiency of 99.9%.

Levels of toxic species in recirculated air are well within the recommended occupational exposure limit for pollutant gases having molecular weight equal to or greater than 30.

Independent test reports are available on request.

### SPECIFICATION

<b>Average Face velocity</b>	<b>&gt;0.3 metres</b>
<b>Changes of air in the enclosure</b>	<b>7.3 metres per minute</b>
<b>Internal volume of enclosure</b>	<b>0.59 cubic metres</b>
<b>Noise level</b>	<b>50dB</b>
<b>Power consumption</b>	<b>96 watts</b>
<b>Maximum amps absorbed</b>	<b>0.5 amps</b>
<b>Power Supply</b>	<b>230 volts single phase 50Hz</b>

### ORDER INFORMATION

Part No.	Description	Dimensions (mm)
EDU 806 M	Mobile Educational Ductless Fume Cabinet	1020 (w) x 750 (d) x 1950 (h)
EDU 806 MC	Mobile Educational Ductless Fume Cabinet, with cupboard	1020 (w) x 750 (d) x 1950 (h)
EDU 806	Bench Mounted Educational Ductless Fume Cabinet	1020 (w) x 750 (d) x 1130 (h)
SO	Service Option, as described above	Note: The gas and water supply hoses come complete with quick release couplings, flexible supply and waste hoses are 2m long.



**BIGNEAT**  
Containment Technology

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