Health and Safety

2 Purpose

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Chemistry – Chi III



Before conducting work in a fume hood ensure that the hood is displaying a current test certificate (pass). (Failed fume hoods should not be used).

Every hood has a flow rate monitor/alarm. This lets you know that the flow rate is safe.

Before working check the meter is on and is showing a flow rate **within the specification** of the recirculatory fume hood or BSC. Unsafe flow rates or high sash will be shown with lights and an audible alarm. If there are a bank of fume hoods with a shared duct, the system must be able to operate all fume hoods safely and simultaneously.



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Documents and record availability:

- The current statutory inspection should be available for LEV users. This can be via a copy of the most recent record being positioned on the equipment or copies held in a locally accessible file (can be electronic or hard copy). Examples of how this can be achieved include holding a copy of the test certificate on the actual equipment, an accessible file held by the technical services lead.
- The main five-year records can be held as hard copies or electronic copies by the School who arranges these visits. This is specified in the list of Recirculating Fume Hoods (Ductless) LEV.

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3.4 Routine checks and testing



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who might use the system.

d) The System of Work must consider the handling and disposal of contaminated filter elements, which are likely to be classified as special waste.

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Fume Hood or Biological Safety Cabinet?

A Biological Safety Cabinet (BSC) is sometimes referred to as a ductless fume hood. The BSC does not protect from chemical vapours. Recirculatory ductless fume hoods are **not** Biological Safety Cabinets, but can protect from particulates when fitted with HEPA filters (differences shown below).

	FUME HOOD OR BIOLOGICA	L SAFETY CABINET
W	hich Is The Best Choice For	You And Your Lab?
	Fume Hood	Biological Safety Cabinet (BSC)
	ansic	
Protection	Proz_	m
Airflow	Away from the user, filtered and through building exhaust	Vertical unidirectional within the work area
	Odorous matorials, toxis gasos, reactivo	
Applications	materiais, get a set usun unsun sun sun	
	acrosols, carcinogens, naminables of other	our ardous particulates
Configurations	Vertical or horizontal (or 🕫 🛗 🕮	Vertical rea
🗰 w ^{ter} s	ARENT PERATURATION	-11777
	Lab	Life science research, cell culture processing and other amplications where protection of
Usage	forensic laboratories	mitigation of cross contamination on the work surface are needed

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