

LABAIRE

Portable Fume Cabinets



Operation

The Labaire Portable Fume Cabinets are designed to remove and contain toxic fumes generated in the laboratory within a confined area. The air is drawn through the front opening at 0,5m/s, over the work surface, upwards through a 95% efficient pre filter and a specified chemical filter bank, before being discharged into the laboratory. The type and combination of chemical filtration is specified depending on the application. The unit is portable and can be moved to accommodate different applications.

Applications

Portable fume cabinets are used when low levels of harmful fumes are generated, usually in a laboratory application, or for short durations of medium to high emission levels. There are many different filter combinations to suite most applications. If levels are too high or cannot be contained we will advise the Labaire Extraction Fume Cabinet. [see our brochure 'How to select the right laboratory cabinet']

Design Features

The hinged front, sides and back are of a clear acrylic for around viewing. The cabinet is finished in epoxy for resistance to a broad spectrum of fumes. A removeable work surface of stainless steel with a periforal radius lip is fitted in the work area. Included in the control panel is a fan speed controller and switch, light switch and audible and visual alarm features [alarm to be specified seperately]. The fan is housed internally and is insulated for low noise level operation. The lighting is situated out of the air stream. All the electrics are protected from the contaminated air. The pre-filter is housed in a hinged frame that simply folds down for replacement and the chemical filters mechanically clamped into place allowing no bypass while providing a simple replacement procedure.

- General solvents
- Radioactive iodine
- Cyanide
- Hydrogen Sulphide
- Formaldehyde
- Diethyl ether
- Particulate matter
- Mercury
- Amines
- Inorganic acids

Technical Data

MODEL	Overall Dimensions			Mass
CODE	H	W	D	Kg
L2PFC	1000	650	600	90
L4PFC	1000	1300	600	120

Filter Size 600x300x100
Electrics 220/240volts 50Hz
Lighting 900 lux

Accessories

- Polypropylene work surface
- Low airflow alarm
- Filter detection monitor and alarm
- Combination filter systems

Labaire

57B Mount Street, Bryanston,
Gauteng, RSA

Email: sales@labaire.co.za