



CARBON FILTERED RECIRCULATING SAFETY CABINET FOR FORMALIN HANDLING

FORMALIN HANDLING SAFETY CABINET

“Wherever there are cleanrooms and laboratories you will find Mach-Aire products playing an important role in the research and manufacturing programmes of the worlds largest companies and institutions.

Our capabilities, whether in technology, design, safety of operation, construction or service are also fully at your disposal”.



- Mach-Aire’s Formalin Handling Cabinet is designed and tested to provide Operator Protection levels well below 1×10^{-5} (BS:EN 12469:2000) and provide Maximum Exposure Levels (MEL’s) equivalent to 0.01 ppm maximum, 0.005ppm average.
- Formalin is a carcinogen and emits vapour that is an irritant to the respiratory system. Formalin can also give rise to dermatitis if allowed to come into contact with skin.
- Formaldehyde is a Schedule 1 chemical under COSHH Regulations and has a Maximum Exposure Limit (MEL) of 2 ppm or 2.5 mgM^3
- Formaldehyde vapour is explosive at 7.75% in dry air. Its ignition point is 430°C .

**Class 1 (BS:EN 12469:2000) biological
Safety Cabinet, for maximum person-
nel and environmental protection**



DATA SHEET 719



Products and services for containment and clean air applications

Fume cupboards

Pharmaceutical Isolators

Downflow powder control booths

Clean rooms for NHS and industry

ACDP Containment laboratories

Modular clean rooms

Validation and testing

Microbiological safety cabinets

Horizontal and vertical laminar units

Specialised extract systems

Clean room accessories

Design & consultancy

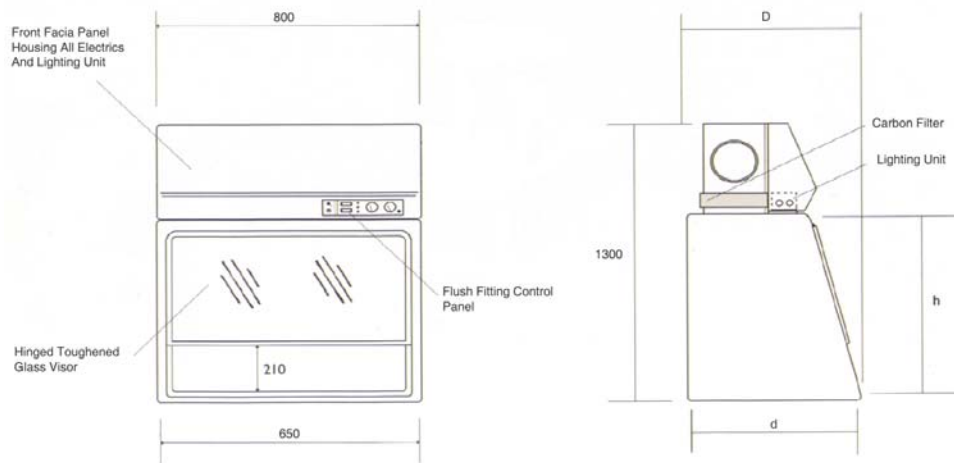
Full compliance with relevant national and international standards

APPLICATIONS

- Histology
- Pathology
- Containment facilities
- Forensic Science

FEATURES

- MEL < 2 ppm
- Stainless steel chamber
- Epoxy polyester coated exterior
- Large radius internal corners for cleaning
- Easy clean - resistant to aggressive cleaning agents
- Speed Controlled fan for optimum performance
- Chemically activated carbon filtration



DIMENSIONS				
MODEL	OVERALL DIMM. L X D X H MM	WORKSPACE DIMMS. L X D X H MM	AIR VOL RECIRCULATED TO LABORATORY	SHIPPING WEIGHT
FHC	800 X 630 X 1300	794 X 624 X 697	0.1m ³ /sec	95kg

GENERAL SPECIFICATIONS	
Filtration	Carbon, chemically impregnated to absorb formaldehyde
Pre-filtration	G3 Progressive density synthetic pad
Noise Level	<60 dba
Light Level	800 lux
Electrical supply	Single phase 230 volts
Fan Blower	Direct driven, centrifugal type with speed control

DATA SHEET 719

Mach-Aire Ltd
 Bridge Street
 Horwich Bolton BL6 7BT
 United Kingdom



Tel. ++44 (0)1204-668905
 Fax. ++44 (0)1204-668906

email. sales@machaire.co.uk
 web www.machaire.co.uk

