

H-MAT

Horizontal Laminar Flow Cabinets



Main Features

Main body manufactured in mild steel with white polyester finish RAL 9016

Worksurface manufactured in grade 316 stainless steel

Unidirectional airflow to give sterile working conditions almost immediately on start up

Simple controls and indicators

Clear side glazing for maximum working visibility

Fluorescent lighting up to 1000 Lux at worksurface

HEPA filtration to Class H14

99.995 MPPS efficiency or

99.999% DOP efficiency to

EN 1822-1

DOP Test Port

Variable speed fans to maximise filter lifetime

Wide range of available sizes

Larger models available for specialised applications

Standard compliance to

BSEN 14644 Class 3, 4 or 5

EC GMP Grade A

Class F to BS 5295 Class 100

(Federal Standard 209E)



Applications

Multi Purpose Clean Air Workstation designed to provide better than Class F (BS 5295) Class 100 (Federal Standard 209E) and BSEN 14644 (Class 3, 4 & 5) air quality in working zone

Suppliers of Class 1, 2 & 3 Microbiological Safety Cabinets, Isolators, laminar flow cabinets and associated clean air solutions

Technical Specification

| Model | Dimensions (mm) | | |
|--|-----------------|----------|----------|
| External dimensions | W | D | H |
| H-MAT 1200/750 Cabinet | 1288 | 750 | 1255 |
| H-MAT 1500/750 Cabinet | 1593 | 750 | 1255 |
| H-MAT 1800/750 Cabinet | 1898 | 750 | 1255 |
| Other widths and filter heights available on request | | | |

| Model | Dimensions (mm) | | |
|---------------------------------|-----------------|----------|----------|
| Workzone dimensions (mm) | W | D | H |
| 1200 | 1200 | 500 | 730 |
| 1500 | 1500 | 500 | 730 |
| 1800 | 1800 | 500 | 730 |

Applications

General routine hospital pharmacy operations including preparation of IV and TPN bags

Laboratory plant tissue work where sterility of the work is essential

Pharmaceutical handling of liquids or powders where sterility is essential but the operation presents no hazard to the operator

Manufacture and assembly of micro - electronic components in a sterile environment



H-MAT controls (Filter pressure gauge optional)

Other products from Contained Air Solutions

Class 1 Microbiological Safety Cabinets
 Class 2 Microbiological Safety Cabinets
 Class 3 Microbiological Safety Cabinets
 Pharmaceutical Isolators
 Powder Control booths
 Containment booths
 Robotics enclosures
 Ventilated Tables

Description

Construction:

2mm Mild steel body finished in "traffic white" powder paint RAL9016. Worktray manufactured in grade 316 stainless steel with 240G finish. All stainless steel construction can be provided on request.

Instrumentation and Controls:

Simple control panel with Power ON Indicator, On/Off switch and Workzone light switch.

Air Volume Rates:

1200mm model - 0.39 m³/sec
 1500mm model - 0.49 m³/sec
 1800mm model - 0.59 m³/sec

Cabinet Weights

160Kg
 185Kg
 230Kg

Face Velocity:

0.45m/sec

Alarms:

Audible and visual for low inflow and filter change required

Lighting Level:

1000 Lux at worksurface (white)

Noise Level:

Less than 65dB

Electrical Supply:

230v/50Hz/single phase

Electrical Load:

1200mm model 0.8kW
 1500mm model 1.4kW
 1800mm model 1.5kW

Options and Accessories

Support frame fitted with levelling feet or lockable castors
 Electrically operated variable height stand with available travel from 750mm to 1050mm working height.
 Service taps (vacuum , lab gasses etc)
 Stainless steel hanging rail
 Electrical sockets
 UV Germicidal light
 Digital airflow velocity measurement
 Filter pressure differential gauge
 All stainless steel construction

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