H-MAT

Horizontal Laminar Flow Cabinets

CAS
Contained Air Solutions

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 I, 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 I 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:	**Cabinet Weights**
1200mm model - 0.39 m^3/sec	160Kg
1500mm model - 0.49 m^3/sec	185Kg
1800mm model - 0.59 m^3/sec	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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Use the above details to contact us if this literature doesn't answer all your questions.

Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.