



BioMAT³ Class III **Microbiological Safety Cabinet** **Also Class I/III Hybrid Cabinet**

High performance and compact range of Class III and Class I/III Hybrid Microbiological Safety Cabinets compliant to BS EN 12469:2000 and BS 5726 : 1992.

The transfer hatch shown is an 'optional extra'

APPLICATIONS:

Where laboratory containment level 4 (ACDP Publication - Categorisation of Pathogens According to Hazard and Categories of Containment 1990) may be required for handling of biological agents up to hazard group 4 (ACDP Publication).

MAIN FEATURES INCLUDE:

- * Compact design
- * Stainless steel construction, powder coated in white
- * Ergonomically designed to ensure operator comfort
- * All servicing from the front of the cabinet
- * Hinged down front screen with toughened glass for safety and ease of cleaning
- * Complete with 150mm dia glove ports
- * Membrane fascia panel
- * Diagnostic airflow display with LED indication
- * Quiet in operation
- * Variable speed fan control for extended filter life
- * Inclined front screen for improved working position
- * Standard compliance BS EN 12469 : 2000 and BS 5726 (1992)
- * HEPA filter efficiency to 99.999% at 0.3 micron
- * Available in three widths
- * One splashproof electrical socket fitted as standard

MODELS AVAILABLE:

Ducted models

Class I/III Hybrid Cabinet - Capable of easy conversion between Class I and Class III.

Double sided Class I/III Safety Cabinet - access from each side

DSS Ltd. are agents for Mach-aire and MAT products

SPECIFICATION:

MODEL:	DIMENSIONS (MM)		
	W	D	H
1130mm Ducted Model	1130	630	1200
1500mm Ducted Model	1500	630	1240
1800mm Ducted Model	1800	630	1240
WORK AREA:			
1130mm	1130	630	700
1500mm	1500	630	700
1800mm	1800	630	700
WORKING APERTURE:			
1130mm	1020	200	
1500mm	1390	200	
1800mm	1690	200	
MINIMUM CEILING HEIGHT FROM BASE OF CABINET: (ie. Top of Laboratory Bench or Support Stand)	Add 50mm to height		

Construction: 316 Grade Stainless Steel fully welded, powder coated in white.

Exhaust Duct Connection (Ducted Cabinets): 1130mm - 160mm dia., 1500mm and 1800mm - 200mm dia.

Instrumentation & Controls: Membrane facia panel with cabinet ON/OFF, Lights, Alarm Mute, UV Lights (option), work area pressure gauge, airflow Diagnostic Diagram with LED Indicators for power ON. Workarea pressure changing from red to green when cabinet operational.

Alarms: Audible and Visual for low workarea pressure

Lighting Level: 1000 Lux at worksurface (white)

Exhaust Air Flow Rate: 0.08m³/s (1130mm model)

Noise Level: Less than 65dB

Electrical Supply: 230V/50Hz/1Ph (other International requirements available)

Options: Support frame with levelling feet or lockable castors

Splash proof electrical sockets

Solenoid controlled Fail/Safe gas valve
(Class I/III Hybrid cabinets only)

Service tap (ie. vacuum, compressed air)

Formalin vapouriser

UV germicidal light

Built in sink

Transfer Hatch



Class I/III Hybrid Safety Cabinet

OTHER MAT PRODUCTS & SERVICES

- * Microbiological Safety Cabinets
- * Rigid Pharmaceutical Isolators
- * Ductless Fume Cupboards
- * Robotic Safety Cabinets
- * Powder Control Booths
- * Horizontal & Vertical Laminar Flow Cabinets
- * Ultra Clean Air Systems for Operating Theatres
- * Clean Rooms / Aseptic Areas
- * Containment Laboratories
- * Safecare After Sales Service
- * Vertical Laminar Flow Enclosures

DSS Ltd. are agents for Mach-aire and MAT products