**Applications:**
Handling of biological agents in hazard group 3 (ACDP categorisation) where both operator protection and the provision of clean air conditions over the work area are required, as well as total compliance with all the requirements of BS EN 12469:2000 and BS 5726 (1992).

**Main Features Include:**
- Unique double HEPA filtered exhaust on recirculating models
- Inclined front screen for improved working position
- Ergonomically designed to ensure operator comfort
- Stainless steel work area
- Compact design
- All filters can be serviced from the front
- Hinged down front screen for safety and ease of cleaning
- HEPA filter efficiency to 99.999% at 0.3 micron
- Membrane facia panel
- Diagnostic airflow display with LCD indication
- Quiet in operation
- Worktray front slots curved to aid operator
- Available in four widths (900mm, 1200mm, 1500mm and 1800mm)
- Standard compliance BS EN 12469 : 2000 and BS 5726 (1992)
- Integral speed controllable fans
- One splashproof electrical socket fitted as standard

**Models Available:**
Ducted or recirculating models
- Class II Active Compound Cabinet with main HEPA filter located under worksurface
- Class II 100% Exhaust Cabinet
- Class II MicroMAT Cabinet - for incorporating microscope and heated worksurface for specialist requirements ie. I.V.F.
- Class II Robotic Cabinet - suitable for most robotic sampling machines
- TriMAT Class II for grouped exhaust systems

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**Medical Air Technology**

**BioMAT**

**Class II**

**Microbiological Safety Cabinet**

High specification and performance Class II microbiological safety cabinets that exceed the requirements of BS EN 12469:2000, BS 5726 (1992) and has double exhaust HEPA filtration (recirculating model).

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**Medical Air Technology Ltd.**

**Airology Centre**

**Mars Street**

**Oldham OL9 6LT, U.K.**

Telephone: 44 (0) 161 621 6200 • Facsimile: 44 (0) 161 624 7547

Email: sales@medairtec.com • Web: www.MedicalAirTechnology.com

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

DSS Ltd. Unit 4 Enterprise Crescent, Ballinderry Road, Lisburn, N.Ireland BT28 2BP Tel: 028 9266 9220

www.dssni.com
**SPECIFICATION:**

<table>
<thead>
<tr>
<th>MODEL:</th>
<th>W</th>
<th>D</th>
<th>H</th>
</tr>
</thead>
<tbody>
<tr>
<td>900mm Ducted Model (special order)</td>
<td>900</td>
<td>630</td>
<td>1360</td>
</tr>
<tr>
<td>900mm Recirculating Model (special order)</td>
<td>900</td>
<td>630</td>
<td>1415</td>
</tr>
<tr>
<td>1200mm Ducted Model</td>
<td>1200</td>
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</tr>
<tr>
<td>1200mm Recirculating Model</td>
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<td>1415</td>
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<tr>
<td>1500mm Ducted Model</td>
<td>1500</td>
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<td>1390</td>
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<tr>
<td>1500mm Recirculating Model</td>
<td>1500</td>
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<td>1520</td>
</tr>
<tr>
<td>1800mm Ducted Model</td>
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<td>630</td>
<td>1390</td>
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<tr>
<td>1800mm Recirculating Model</td>
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<td>630</td>
<td>1520</td>
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</table>

<table>
<thead>
<tr>
<th>WORK AREA:</th>
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<tbody>
<tr>
<td>900mm</td>
<td>760</td>
<td>550</td>
<td>700</td>
</tr>
<tr>
<td>1200mm</td>
<td>1060</td>
<td>550</td>
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<tr>
<td>1500mm</td>
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<tr>
<td>1800mm</td>
<td>1660</td>
<td>550</td>
<td>700</td>
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</table>

<table>
<thead>
<tr>
<th>WORKING APERTURE:</th>
<th>W</th>
<th>D</th>
<th>H</th>
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</thead>
<tbody>
<tr>
<td>900mm</td>
<td>720</td>
<td>200</td>
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</tr>
<tr>
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<td>1800mm</td>
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<td>200</td>
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<thead>
<tr>
<th>MINIMUM CEILING HEIGHT FROM BASE OF CABINET: (ie. Top of Laboratory Bench or Support Stand)</th>
</tr>
</thead>
</table>
| Add 50mm to height on exhaust type and 150mm to recirculating type

**Construction:** 304 Grade Stainless Steel lined work area with 316 Grade Stainless Steel removable work tray. Main cabinet body from precision produced mild steel components finished with a white polyester powder coating.

**Exhaust Duct Diameter (ducted cabinets):** 900 and 1200 - 160mm dia. 1500 and 1800 - 200mm dia

**Instrumentation & Controls:** Membrane facia panel with cabinet ON/OFF, Lights, Alarm Mute, Fumigation, Natural Gas (option) and UV Lights (option) Switches. Airflow Meter with Red/Green Operating Zones, Airflow Diagnostic Diagram with LED Indicators for Power On, Fumigation, Gas, with airflow indicators changing from red to green when cabinet operational.

**Alarms:** Audible and Visual for low inflow and downflow together with front screen open.

**Lighting Level:** 800 Lux at worksurface

**Exhaust Air Flow Rate:** 1200 - 0.125m³/s  1800 - 0.19m³/s

**Noise Level:** Less than 65dBA

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

**Options:**
- Support frame on levelling feet or lockable castors
- Splash proof electrical sockets
- Solenoid controlled Fail/Safe gas valve
- Service tap (ie. vacuum, compressed air)
- Formalin vapouriser
- Formalin extract adaptor (recirculating cabinet only)
- UV germicidal light
- 100% sealable night door

**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

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