

Micro-Iso and Mini-Iso compact portable clean air and containment units

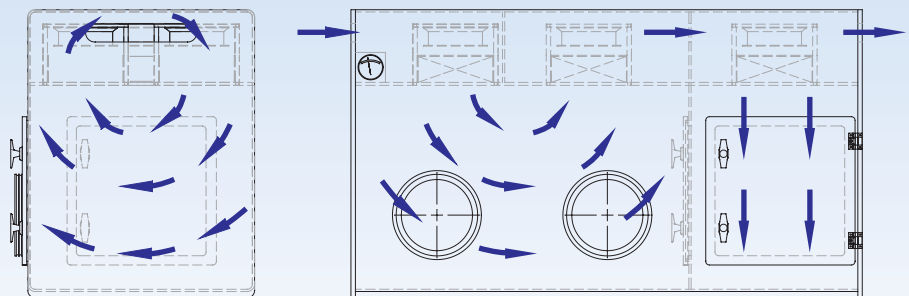
Product Sheet No. 122 April 2009



For a wide range of light-use or stand-by applications

- Compact, portable and cost effective
- Optical clear cast acrylic for good all-round vision
- Designed to operate at positive pressure for product protection or negative pressure for operator protection
- Operating mode controlled by a simple key-switch
- Airflow does not change direction when mode is changed (filters would discharge contamination if the flow were reversed)
- EU GMP Grade A and ISO 5 to BS EN ISO 14644-1:1999 internal air quality after initial purge period

Airflow diagram



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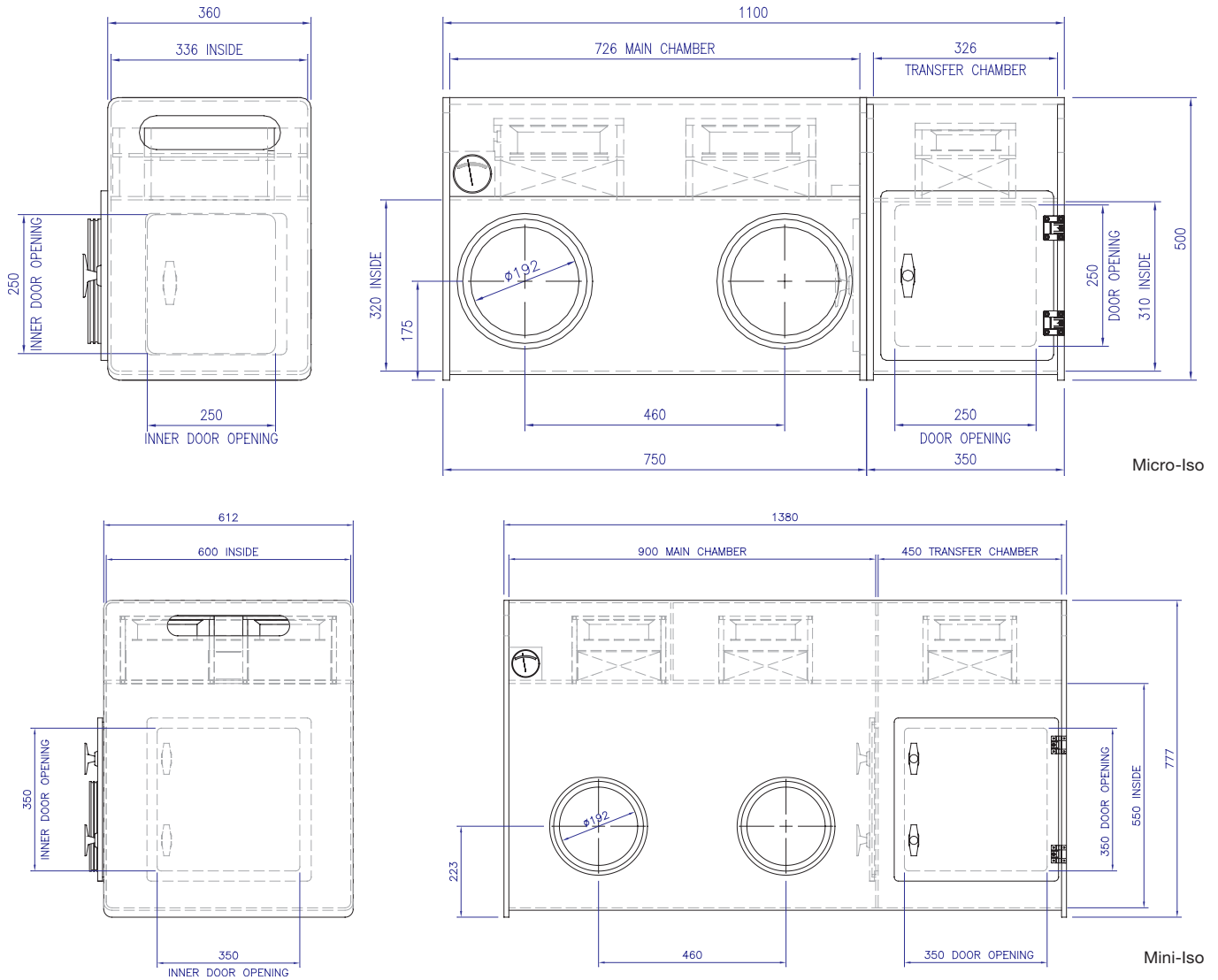
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Model designations and dimensions



Model		Wt kg	Power Watts	Total air changes per hour	
				Main chamber	Transfer chamber
Micro-Iso	Portable clean air and containment unit manufactured in clear acrylic and designed to operate in either positive pressure or negative pressure mode	29.5	80 (0.4A)	495	N/A
Micro-Iso with transfer chamber	Portable clean air and containment unit manufactured in clear acrylic and designed to operate in either positive pressure or negative pressure mode. The unit is fitted with a transfer chamber at the right hand side	44.5	120 (0.5A)	495	450
Mini-Iso	Generously sized portable clean air and containment unit manufactured in clear acrylic and designed to operate in either positive pressure or negative pressure mode. The unit has an integral transfer chamber at the right hand side	69.0	160 (0.7A)	156	312

Standards compliance:
IEC 61010-1:2001 (Electric wiring)

Specification and options

Main chamber	Optical clear cast acrylic welded construction Flush mounted HEPA-filters for air in and air out
Transfer device	Transparent acrylic welded construction Generously sized doors Flush mounted HEPA-filters for air in and air out Independent fan system wired to operate in the same mode as the main chamber
Stand	Optional support stand with lockable castors
Access	Two bonded 200 mm diameter sleeve ports in front of unit Fabric lined polypropylene sleeves, universal cuff-rings and all associated O-rings for aseptic glove changes when used with sterile-wrapped, beaded, powder-free gloves Optional gauntlets instead of sleeves and cuffs
Controls and electrics	Push button on-off switch Key switch for mode selection Indicator lights to show mode selected Zero centre Minihelic pressure gauge to show internal pressure Electrics designed for 230v/50Hz1Ph supply Optional alternative electrical supplies – to be specified by purchaser
Airflow and filtration	The main chamber and the transfer chamber (where fitted) each have an inlet HEPA filter and an outlet HEPA filter at the top. Each HEPA filter has an axial fan above it, and the inlet HEPA filters have a prefilter above the fan. For operation at positive pressure, the inlet fan is powered. For operation at negative pressure, the outlet fan is powered. Transfer chambers (where fitted) are wired so that they automatically adopt the mode of the main chamber. A removable acrylic cover over the fans has openings for air to enter and leave the unit. All HEPA filters H14 (BS EN 1822-1:1998)
Testing and maintenance	DOP/particle counter test ports in wall of main chamber and in wall of transfer chamber

Note: All items shown in blue are alternatives or additional options

Envair has a policy of continuous improvement and reserves the right to change this specification without notice.

IMPORTANT

Isolators should only be operated by trained personnel in accordance with properly drawn up and validated Standard Operating Procedures.

Complete range of Envair products and services

Isolators



CDC F cytotoxic dispensing isolators



Pharm-Assist isolators



Technetium isolator for nuclear medicine



Blood labelling isolator for nuclear medicine



Negative Pharm-Assist isolators



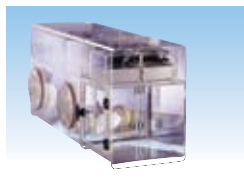
Customer specified isolators



Sterility test isolators



Controlled atmosphere isolators



Micro-Iso and Mini-Iso

Unidirectional airflow products



HLF horizontal unidirectional (laminar) airflow cabinets



VLF R vertical unidirectional (laminar) airflow cabinets



C-Flow vertical unidirectional (laminar) airflow cabinets



VLF E vertical unidirectional (laminar) airflow enclosures



FFM fan filter modules

Powder handling products



Downflow booths



High accuracy balance weighing isolators



C-Flow-W powder weighing cabinets



RHLF reverse flow cabinets

Microbiological safety cabinets



Class I microbiological safety cabinets Bio 1+



Class II microbiological safety cabinets Bio 2+



Class III microbiological safety cabinets Bio 3+

Fume cupboards



Carbon filtered recirculating fume cupboards



Ducted fume cupboards

Turnkey projects

Envair clean air and containment products integrated with cleanrooms built by other members of the Bassaire Group.

Service and maintenance

Full testing, service, maintenance and spares support for all Envair and other clean air and containment equipment.

ENVAIR

Integrity in clean air

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