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# IsoMAT Type 2

## Negative Pressure Isolators

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### Applications

- Reconstitution and dispensing of cytotoxics and other hazardous medical products.
- High level containment of biological materials.
- Balance weighing and other processing of material subject to the HSNO Act or other restrictions.
- High level containment where increased operator and product protection are required.

### Features

- Stainless steel welded single piece construction
- Large sleeve ports for improved operator mobility.
- Electro-interlocked inner and outer transfer hatch doors with time delay.
- Double HEPA filtered 'D' type transfer hatches to give very high operator protection.
- High air change rates to provide rapid clean-up of airborne contamination.
- No removable work trays in work area to cause cleaning problems.
- Easy clean interior.
- Easy opening hinge down front screen providing good access to load large items and aid filter change.
- Main HEPA filter located in rear of work area to eliminate contaminated ducts and plenums and ease of filter change.
- Downflow and main HEPA filters changed from within work area to eliminate contamination.
- Membrane control fascia with digital pressure gauges for work area and transfer hatches.
- HEPA filters to 99.999% efficiency to 0.3 micron.
- Sterile glove change system.
- Comfort support frame with lockable castors or leveling feet and ample knee room and foot support for operator comfort.
- Fluorescent lights illuminate work area.
- Convertible from negative to positive mode.
- Workzone and transfer hatch test ports for testing without compromising sterility.

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*Clean Air Systems and Products*

## Description

Ergonomically designed Stainless Steel Isolator with double HEPA filtered type D transfer hatches with interlocked hatch doors. The /soMAT® Type 2 Isolator provides unidirectional down flow air in the work area with good access and easy to clean interior surfaces.

Model	Dimensions (mm)		
	W	D	H
2 Glove Recirculating model	2300	700	2410
2 Glove Ducted model	2300	700	2150
4 Glove Recirculating model	3000	700	2410
4 Glove Ducted model	3000	700	2150

## Options

- Glove/Sleeve test kit
- Pressure decay test kit/ sealing lids
- Hydrogen Peroxide gassing facilities
- Exhaust Carbon Filtration
- Quick change glove system
- Height adjustable support frame
- Hanging rail
- CCTV camera
- Battery back-up for alarms (AS/NZ/4273)
- Main filter pressure gauge (AS/NZ/4273)
- Splashproof electrical sockets
- Taps for compressed air, vacuum, etc.
- Automatic foot operated vertically lifting inner hatch door.

## Engineering Specifications

<b>Construction</b>	316 Stainless Steel throughout with white powder coated finish and polished steel work surface.
<b>Glove port Diameter</b>	300 mm nominal
<b>Useable work area</b>	2 Glove—1100mm x 530mm 4 Glove—1800mm x 530mm
<b>Transfer Hatch door opening</b>	Outer—435mm(W) x 295mm(H) Inner—300mm(W) x 300mm(H)
<b>Exhaust Volumes</b>	2 Glove (ducted) - 0.08m <sup>3</sup> /s 4 Glove (ducted) - 0.08m <sup>3</sup> /s
<b>Air Change Rates/hour</b>	Work area— 2400 Total air changes/ hour Transfer hatches— 1800 Total air changes/ hour
<b>Operating Pressure</b>	Work area— 100 Pa ± 10Pa Transfer hatches— 30 Pa ± 10Pa
<b>Lighting levels</b>	750 Lux at work surface
<b>Instrumentation and controls</b>	Digital Meters for work area and transfer hatch pressure, plus analogue meter for work area, diagnostic diagram, with power on and pressure alarm indication.
<b>Noise level</b>	56 dBA
<b>Standards Compliance</b>	Isolators for Pharmaceutical Applications. HMSO 1994, AS/NZS 4273:1999 (optional)
<b>Electrical supply</b>	230 Volts/single phase/50Hz



Related Products:

Data Sheets:

**/soMAT** Type 1 Negative Pressure Isolator [E54125](#)  
**AirCare** Laminar Flow Cabinet [E54148](#)  
**GELAIRE** Class2 Biological Safety Cabinets [E54153](#)  
**GELAIRE** BH-G Biological Safety Cabinets [E54130](#)

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