
IsoMAT Type 1

Positive Pressure Isolators



Applications

- Preparation of IV solutions.
- Preparation of Eye drops.
- TPN compounding and bagging.
- Ampoule filling.
- Civas (Central Intravenous Additive Service).
- Sterility testing.

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.
- 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 positive to negative mode.
- Workzone and transfer hatch test ports for testing without compromising sterility.

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Description

Ergonomically designed Stainless Steel Isolator with double HEPA filtered type D transfer hatches with interlocked hatch doors. The IsoMAT® Type 1 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 model	2300	700	2150
4 Glove model	3000	700	2150

Options

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



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Related Products:

Data Sheets:

IsoMAT Type 2 Negative Pressure Isolator [E54147](#)
AirCare Laminar Flow Cabinet [E54148](#)
GELAIRE Class2 Biological Safety Cabinets [E54153](#)
GELAIRE BH-G Biological Safety Cabinets [E54130](#)