



IsoMAT¹ Type 1 Positive Pressure Isolators - 2 or 4 glove

Ergonomically designed Stainless Steel Isolator with double HEPA filtered Type D transfer hatches with interlocked hatch doors. The IsoMAT Type 1 Isolator provides unidirectional downflow air in the work area

Applications:

Preparation of IV Solutions, Eyedrops, TPN Compounding and Bagging, Ampoule Filling, Civas (Central Intravenous Additive Service), Sterility Testing

Main Features Include:

- Stainless steel welded single piece construction.
- Large sleeve ports for improved operator mobility.
- Electro-interlocked inner and outer transfer hatch doors with timed 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 workarea to cause cleaning problems.
- Easy clean interior.
- Easy opening hinge down front screen providing good access to load large items
- Main HEPA filter located in rear of workarea.
- Downflow of main HEPA filters changed from within work area to eliminate contamination.
- Membrane control facia with digital pressure gauges for work area and transfer hatches.
- HEPA filters to 99.999% efficiency to 0.3micron.
- Sterile glove change system.
- Optional support stand with motorised option if required (300mm travel)
- Fluorescent lights illuminate workarea.
- Easily converted from positive to negative mode.
- Workzone and transfer hatch test ports for testing without compromising sterility.

Models Available

Two or Four glove Isolators

Specification:

Model:	Dimensions (mm)		
	W	D	H
2 Glove Model	2300	700	2150
4 Glove Model	3000	700	2150

Construction:

316 Stainless Steel throughout with white powder coated finish and polished steel work surface.

Glove Port Diameter:

300mm nominal

Useable work area:

2 Glove - 1100mm x 530mm

4 Glove - 1800mm x 530mm

Transfer Hatch Door Opening:

Outer - 435mm(W) x 295mm(W)

Inner - 300mm(W) x 300mm(H)

Air Change Rates/hour:

Work Area:- 1800 Air Changes Per Hour

Transfer Hatches:- 1500 Air Changes Per Hour

Operating Pressure:

Work Area 100Pa \pm 10Pa

Transfer Hatches 30Pa \pm 10Pa

Lighting Levels:

750 Lux at Work Surface

Instrumentation and Controls:

Digital Meters for work area and transfer hatch pressures, plus analogue meter for work area, diagnostic diagram, with power on and pressure alarm indication.

Noise Level:

56dBA

Standards Compliance:

Isolators for Pharmaceutical Applications

HMSO 1994

AS/NZS 4273:1999 (Optional)

Electrical Supply:

230Volts/Single Phase/50Hz

Options:

Glove/Sleeve 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 doors



Type D Transfer Hatch.