

IsoClass

Pharmacy Isolator



Main Features

Main body manufactured completely in 3mm grade 316 stainless steel with a white polyester finish RAL 9016

Type 1 (Positive) or Type 2 (Negative) pressure models in 2 glove or 4 glove configuration

Provides a EC GMP Grade A (Class 100) quality clean air environment

300mm glove ports at ergonomically recommended centres of 460mm for maximum operator mobility

Downflow & Exhaust HEPA filtration to Class H14, 99.995 MPPS efficiency or 99.999% DOP efficiency to EN 1822-1. Main filter mounted in rear of work area to improve knee room for seated working

Double HEPA filtered "D" type transfer hatches with interlocked internal and external doors and sealing lids for pressure decay testing

Larger models available for specialised applications

Standard compliance to EN ISO 14644-7: 2004

"Isolators for Pharmaceutical Applications" HMSO 1994

"Pharmaceutical Isolators" Pharmaceutical Press 2004



Applications

Rigid Isolators to provide EC GMP Grade A clean air environment in:-

Negative pressure mode: Safe aseptic handling of hazardous materials e.g. cytotoxics and other hazardous medical products

Positive pressure mode: Safe aseptic handling of pharmaceutical products, TPN compounding, IV preparations, CIVAS and other pharmacy applications.

Technical Specification

Model	Dimensions (mm)		
External dimensions	W	D	H
2 glove positive pressure	2300	700	2410
2 glove negative pressure	2300	700	2150
4 glove positive pressure	3000	700	2410
4 glove positive pressure	3000	700	2150

Model	Dimensions (mm)		
Internal main work area dimensions	W	D	H
2 glove	1100	530	800
4 glove	1800	530	800
Hatch dimensions			
Outer door aperture	435	n/a	295
Inner door aperture	300	n/a	300

Available Models

Negative pressure: 2 glove ports and 2 transfer chambers.

Negative pressure: 4 glove ports and 2 transfer chambers.

Positive pressure: 2 glove ports and 2 transfer chambers.

Positive pressure: 4 glove ports and 2 transfer chambers.

Single transfer chamber models.

Larger models for specialised applications.

Description

Construction:

Main body in 3mm Grade 316 stainless steel body finished in "traffic white" powder paint RAL 9016 with main work surface polished to 240S grade. Type "D" transfer hatches in 2mm grade 316 stainless steel finished in "traffic white" powder paint RAL 9016 with main work surface polished to 240S grade. Each hatch fitted with polypropylene sliding work trays for ease of materials transfer between hatch and main working area. Exhaust module and support stand in powder coated mild steel.

Instrumentation and Controls:

Wipe clean membrane facia with cabinet ON/OFF, lighting and alarm mute functions. Airflow meter with red/green indication. Individual digital pressure gauges for main workzone and both hatches.

Air Change Rates:

Main work area: 2400 times/hour.

Transfer hatches: 1800 times/hour.

Other products from Contained Air Solutions

Class 1 Microbiological Safety Cabinets.

Class 2 Microbiological Safety Cabinets.

Class 3 Microbiological Safety Cabinets.

Laminar Flow Cabinets.

Powder Control Booths.

Containment Booths.

Robotics Enclosures.

Ventilated Tables.

Description

Main workarea operating pressures:

Type 1 Positive pressure: +100 +/- 10Pa.

Type 2 Negative pressure: -100 +/- 10Pa.

Transfer Hatches operating pressures:

Type 1 Positive pressure: +30 +/- 10Pa.

Type 2 Negative pressure: -30 +/- 10Pa.

Exhaust Airflow Rates:	Duct Size	Isolator Weights
Negative pressure models		2 Glove - 380kgs
0.08m ³ /sec nominal	160mm	4 Glove - 450kgs

Internal Sockets:

Two single splashproof sockets mounted in main work area. Additional sockets available on request.

Alarms:

Audible & visual for low inflow and downflow & open front screen.

Lighting Level:

750 lux at worksurface.

Noise Level:

2 glove model 54dBa at 1m. 4 glove model 56dBa at 1m.

Electrical Supply:

230V/50Hz/single phase.

Electrical Load:

Positive 2 glove	0.75kW	Positive 4 glove	1.1kW
Negative 2 glove	1.05kW	Negative 4 glove	1.45kW

Options and Accessories

Carbon exhaust filters.

Electrically operated height adjustable support frame (300mm travel).

Service taps (vacuum, lab gasses etc).

Hanging Rail.

CCTV monitoring and recording systems.

Validation including IQ/OQ documentation plus FAT and SAT.

Formalin vapouriser (extract adaptor kit available for recirculating models).

Inlet & outlet ports for connection to a H2O2 generator.

Glove sleeve test kit.



Contained Air Solutions

Unit 4
Greengate
Middleton Junction
Manchester
M24 1RU

T +44 (0)161 655 8860

F +44 (0)161 655 8865

E info@containedairsolutions.co.uk

W www.containedairsolutions.co.uk