

The Mach-Aire IPP Range of Rigid Positive Pressure Isolators set new benchmarks in isolator design and technology. Mach-Aire Ltd Positive Pressure Isolators, Model IPP180"A" and IPP-120"A" incorporate a range of revolutionary features designed to make isolator operation simpler, easier and more comfortable than ever before, creating an inherently safer working environment with maximized contamination prevention for precious sterile infusions and feeds.



Innovations unique to the Mach-Aire Ltd range include an acrylic chamber and transfer hatches, that provide an open visual aspect for the operators comfort, aerosol-tight, front window that seals the inner chamber for secure protection from contamination. The window is hinged to allow full access to the interior, permitting thorough cleaning and decontamination and the installation of large items.

Mach-Aire Ltd IPP Range of Isolators provide EC GMP Grade "A" in the critical zone. Available in 120 cm width with two glove ports for single operator and 180 cm width with four glove ports for two operators and with a wide range of standard equipment, options and accessories, Mach-Aire Ltd IPP Isolators can be fully customized to meet a variety of user-specific needs.

Within the working chamber is fitted 1 No. splashproof (IP56) electrical socket outlet as standard. All materials and components used within MACH-AIRE IPP Series Isolators are in compliance with current Standards and Codes of Practice, and are strictly controlled under the quality assurance systems implemented through Mach-Aire Ltd's BS.EN.ISO 9001:2000 registration.

APPLICATIONS

- NHS Hospital Pharmacy
- Sterility Testing
- TPN Compounding
- IV Production
- Parenteral Nutrition
- Gene Therapy

FEATURES

- Product protection
- Positive pressure chamber
- Slanted front window
- All round vision
- Ergonomic design
- Easy to clean

Compliance to national and international safety standards, optimum personnel, product and environmental protection. Designed for ease of cleaning and maintenance—the sum of all the parts adds value to the whole. Whether in the field of pharmacy, sterility testing or research, our isolators perform valuable tasks, day in and day out.

Convenient and safe

The hinged window can be fully opened up for cleaning and disinfection. When closed, it keeps the entire inner area aerosol tight. The worksurface consists of scratch-proof and acid resistant stainless steel.

HEPA filter system

It guarantees maximum adsorption of 99.999% at a particle size of 0.3 micron. The supply filter covers the work area with laminar down-flow air and ensures sterile conditions. Inlet HEPA filters are protected by a pre-filter to prolong life.



Ease of operation

The MACH-AIRE Model IPP-180 (A) and IPP-120 (A) Type 1 (Positive Pressure) Isolators are a high quality product made to an ergonomic design that is both user friendly and efficiently functional.

Easy Clean

All materials used in the construction of Mach-Aire Ltd Isolators are resistant to usual pharmaceutical disinfectants and sanitising agents.

Easy Working Space

The working area is well lit with easy access to the transfer chambers. The stainless steel working surface is dished to cope with leaks of fluids.

The working chamber can be remotely visually monitored from outside by a joystick operated high resolution camera mounted outside the chamber for checking labels, batch numbers, checking by responsible person, operator technique, training etc. Additionally VCR or disk recording is available.

Transfer Chambers

All models come with "D" Type transfer chambers, with magnetic locking and interlocking mechanisms. Interlock timing adjustment is fitted as standard.

Superior Aerodynamics

The working chamber and transfer chambers have a high air change rate allowing very rapid "clean up" and removal of sanitising agents.



Large Range of Options

Optional equipment includes a Vari-Lift adjustable support frame to allow for three operators ideal height worksurface. The frame is electrically driven, up to 300 mm of travel is available.

Products and services for containment and clean air applications

Fume cupboards

Pharmaceutical Isolators

Downflow powder control booths

Clean rooms for NHS Pharmacy, Tissue Banks and industry

ACDP Containment laboratories

Modular clean rooms

Validation and testing

Microbiological safety cabinets

Horizontal and vertical laminar units

Specialised extract systems

Clean room accessories

Design & consultancy

Full compliance with relevant national and international standards

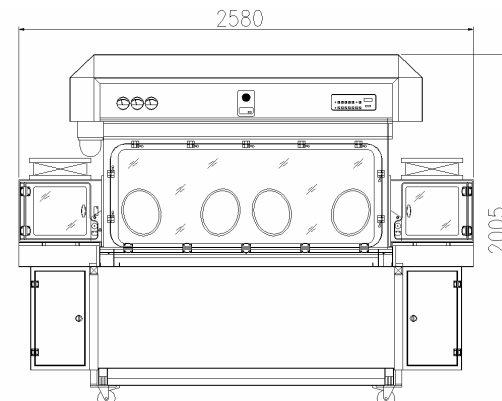
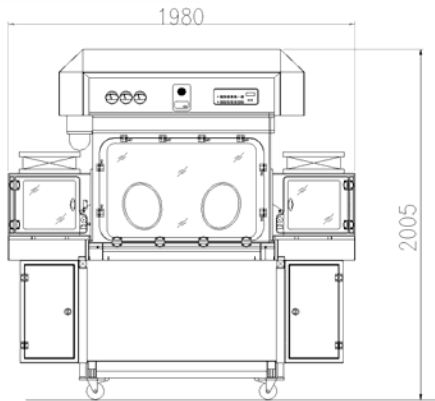
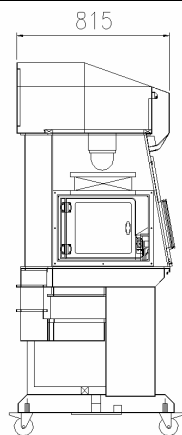
TECHNICAL DATA		
MODEL	IPP-120(A)	IPP-180(A)
EXTERNAL DIMENSIONS mm	1980X2005X815	2580X2005X815
INTERNAL DIMENSIONS mm	1000X700X600	1600X700X600
GLOVE PORT DIMENSIONS mm	300x250 OVAL	300X250 OVAL
WEIGHT (KGS)	190	240
TRANSFER HATCH CLASSIFICATION	TYPE "D"	TYPE "D"
TRANSFER HATCH DOOR OPENING DIMS.	300X275	300X275
FILTER EFFICIENCY	HEPA H-14 99.999% AT 0.3 MICRON	HEPA H-14 99.999% AT 0.3 MICRON
NOISE LEVEL SPL dba	>57	>57
LIGHT LEVEL (LUX)	>1000	>1000
ELECTRICAL DETAILS	230V AC 50HZ 8 AMPS	230V AC 50HZ 8 AMPS

Standard Equipment

- Grade A Working Chamber
- Type D Transfer Hatches
- Transfer Hatch automatic interlocks / timers
- Side load / unload Transfer Hatch shelves
- Microprocessor based touch-type controls
- Constant visual displays of all critical functions
- Battery back up for alarms (AS / NZ 4273)
- Splashproof electrical socket(s)
- Service ports

Optional Equipment

- Vari-lift Support Stand
- Closed Circuit Television System
- Handsfree Intercom
- Hanging bar and hooks
- Under Transfer hatch Storage Cupboards
- Extra Splashproof electrical socket outlets
- Service Valves, vacuum, air, etc.
- Glove / Sleeve Test Kit
- Sealing lids for pressure decay tests
- Automatic Particle Counting System
- Vaporised hydrogen peroxide (VHP) gassing pipework



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PHARMACEUTICAL ISOLATORS

RIGID, POSITIVE PRESSURE PHARMACEUTICAL ISOLATOR

"Wherever there are cleanrooms and laboratories you will find Mach-Aire products playing an important role in the research and manufacturing programmes of the worlds largest companies and institutions.

Our capabilities, whether in technology, design, safety of operation, construction or service are also fully at your disposal".



Standards Compliance according to

- BS EN ISO 14644.7 20004 SEPARATIVE DEVICES
- EC GMP Grade "A" Laminar Flow
- EN 61010 Electrical wiring
- BS EN ISO 14644.1 Class 5

New Generation Pharmaceutical Isolators

FOR THE NEW CENTURY'S SCIENTIST

DATA SHEET 714