



MACH-AIRE

PCI PORTABLE ISOLATOR

PHARMACEUTICAL ISOLATORS

Most hospital pharmacies are open 8-10 hours weekdays only, whereas patient requirements are 24/7. Mach-Aire now offer their miniature portable separative enclosure (isolator) which will facilitate the preparation and of aseptic products outside of normal working hours. The unit can be positioned in a clinic, ward, operating theatre etc.



Type "D" Transfer Hatch

Stainless steel Worksurface, radiused corners

Microprocessor Control system



The Portable Compliant Isolator (P.C.I) is a small, portable aseptic isolator. The isolated environment can run at either negative or positive pressure and protect operator or product respectively. The P.C.I complies with all the latest BS and EN Standards and guidelines with respect to isolators such as HMSO: Isolators for Pharmaceutical Applications. It comprises of a small, lightweight construction providing a totally mobile sterile environment essential for the preparation of aseptic treatments, and with its special features such as battery backup, automatic fan speed control, digital displays, alarms, and data-communication capabilities, it is a must for all hospitals, laboratories and industries.

APPLICATIONS:

- Preparation of biologicals
- Preparation of short expiry items, e.g BCG, botulinum toxins, BGC bladder installations
- Gene Therapy
- Topicals, steroids etc
- Table breaking, e.g.cytotoxins to half tablet doses
- Antibiotic powders
- Clinical trials
- Out of hours cyto. And other injections
- Monoclonal antibodies, e.g. Retuximal, Cryliximals
- Compounding, small scale specialist materials that need separation from other materials
- Blood line manipulation
- Back up for front line isolators
- Quality analysis
- Weighing / manufacturing



DATA SHEET 723



Products and services for containment and clean air applications

Fume cupboards

Pharmaceutical Isolators

Downflow powder control booths

Clean rooms for NHS 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

PERFORMANCE SPECIFICATION

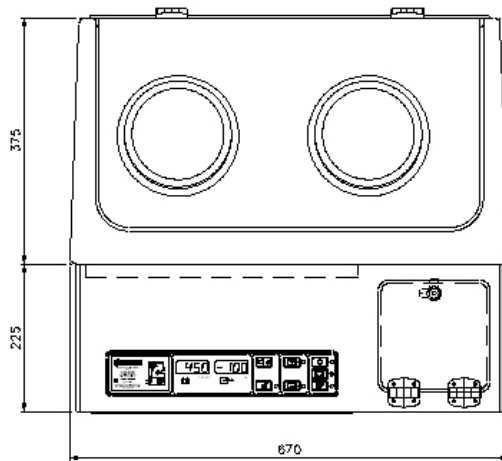
Air Volume Flow:	0.015m ³ /s
Air Change Rate:	450 TAC/Hr
Transient Clean Up:	102 secs
HEPA Face Velocity:	0.35m/s
Breach Velocity:	0.93m/s
Internal Pressure – Type 1:	+70Pa
Internal Pressure – Type 2:	-100Pa
HEPA DP:	238Pa
System DP:	714Pa
Noise Level:	60dBA

All HEPA Filters to 99.997% Efficiency BS 3928

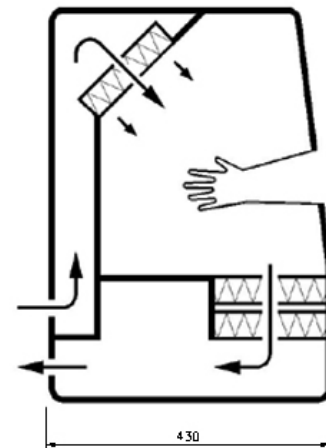
(0.5 to 0.6 mm). Also to 99.998%

Efficiency Mil Standard 282 DOP (0.3 mm).

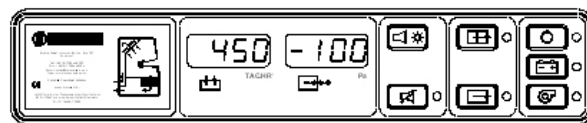
Air Filtered to:



FRONT ELEVATION



END ELEVATION



MEMBRANE CONTROL PANEL

ELECTRICAL SPECIFICATION

Fan: 2 EBM forward curved vane impellor Rated at: 24 VDC, 49 W, 2.2 A. Control by PWM signal.

Main Circuit Board: Proprietary design with functions controlled by PIC chip micro-processor, and inputs/outputs via push on terminal connectors. 24 VDC input.

External Power Supply: Power supply unit (PSU) supplied for mains input, 24 VDC, 100 W, 4 A.

Batteries: 2 off sealed lead-acid 12 V type NPC 3.2 Amp hour capacity.

Membrane Control Panel: 4 zone panel comprising information, main control, alarm control, and

Mach-Aire Ltd
 Bridge Street
 Horwich Bolton BL6 7BT
 United Kingdom



Tel. ++44 (0)1204-668905
 Fax. ++44 (0)1204-668906

email. sales@machaire.co.uk
 web www.machaire.co.uk

