



**MACH-AIRE**

## IPC PORTABLE PHARMACEUTICAL ISOLATOR



Type 'D' Transfer Hatch



Stainless steel worksurface, radiused corners



Microprocessor control system

Most hospital pharmacies are open 8-10 hours weekdays only, whereas patient requirements are 24/7. Mach-Aire now offer their miniature portable 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.

The Isolator Portable Compliant (IPC) is a small, portable aseptic isolator. The isolated environment can run at either negative or positive pressure and protect operator or product respectively. The IPC 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

## PERFORMANCE SPECIFICATION

Air Volume Flow: 0.015m<sup>3</sup>/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).  
 Efficiency Mil Standard 282 DOP (0.3 mm).

### Air Filtered to: BS 5295 Class F

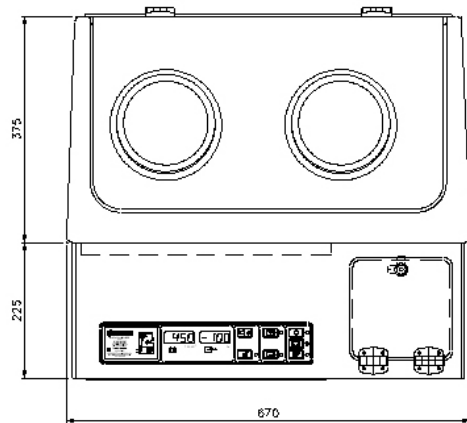
EU GMP Class B

FED 209E Class 100

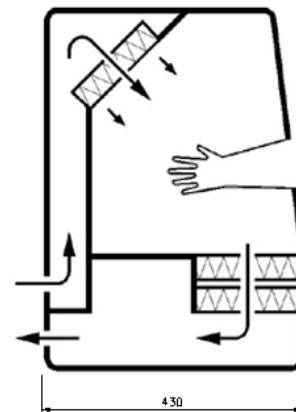
ISO 14644 Class 5

## 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 metering display zones. Direct connection to circuit board via 4-conductor tail.



FRONT ELEVATION



END ELEVATION



MEMBRANE CONTROL PANEL

## INNOVAIRTION®

Mach-Aire Limited  
 Bridge Street  
 Horwich  
 Bolton BL6 7BT

Tel: +44 (0) 1204 668905  
 Fax: +44 (0) 1204 668906  
 e-mail: sales@machaire.co.uk  
[www.machaire.co.uk](http://www.machaire.co.uk)

Registered in Scotland 57500 VAT Registered 592 9715 90

