



EIU Environmental Isolation Unit

An optional accessory for the M100 air filtration system

Introducing a secure patient isolation chamber providing either negative or positive pressure environment, quickly

Features

- Negative pressure isolation
- Positive pressure isolation
- Quick setup in either configuration
- Re-sealable staff access
- Rapid emergency access
- Multiple pass thru ports
- Compact disassembled storage
- Easy cleanup after usage
- Self supporting enclosures
- Multi-patient capability
- Barrier
- Quarantine
- Exceeds recommended airchange standards



Negative pressure configuration



Positive pressure configuration

The environmental isolation unit (EIU) is a self standing patient isolation chamber that when connected to the M100 air filtration system, makes a complete isolation system. The air exchange rate exceeds the FDA requirements by many factors due to increased flow rate for positive pressure clean air requirements. The airflow direction is reversed by a means of connecting an adapter on the intake of the M100 and connecting to the lower intake porthole for negative pressure configuration. Air intake is around the bottom opening to keep the contaminated air below the patient bed as much as possible. Positive pressure is achieved by connecting the outlet of the M100 to the top porthole in the EIU and close the bottom porthole. The air outlet is allowed to escape out around the bottom slot to keep the escaping air below the normal breathing level.

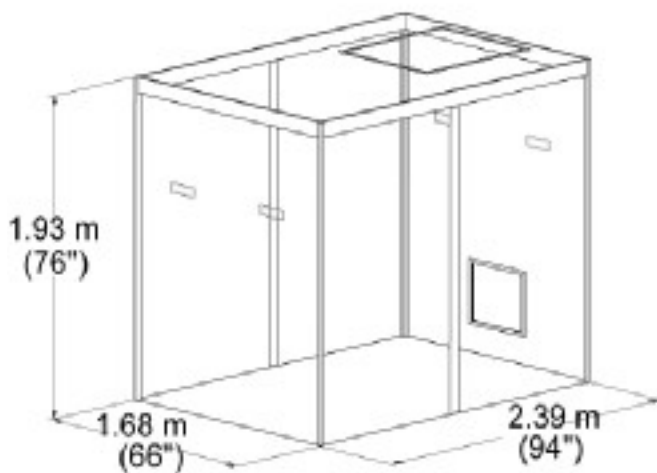
The chamber is made of aluminum framing that is easily assembled through the use of allen wrenches by two people in just a few minutes and the clear plastic shield is designed so that there is an opening on both sides to allow the staff to enter for daily duties. The normal entry seal is a magnetic overlapping tape that reseals almost by itself. Staff access is by means of removing the shoulder through the means of the attachment slot around the top edge of the side panels to allow full access.

"Clean Air Anywhere"

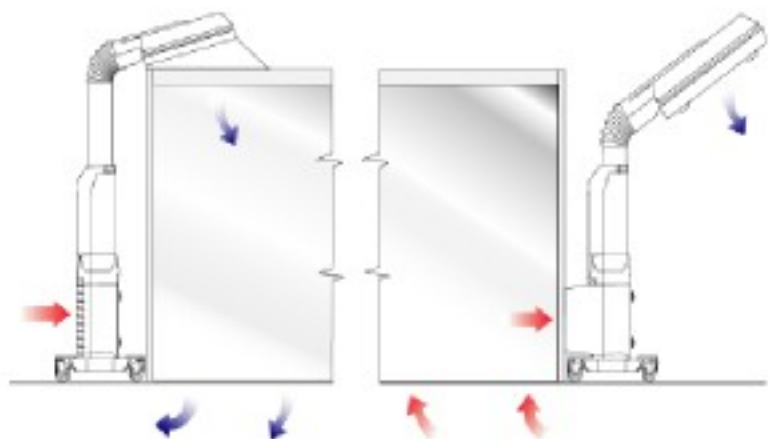
Specifications

EIU Environmental Isolation Unit (System)

Air Output Quality (PP) only Utilizing HEPA filtration	Up to ISO Class M5 [per ISO 14644-1] grade ultra clean air (Class 100) Traps Pathogens > 0.3 micron at an efficiency of 99.997%
Airflow Connections	<u>Positive Pressure Chamber</u> : Intake port on top cover with secure Dual Lock connection. <u>Negative Pressure Chamber</u> : Outlet port on end wall curtain with secure Dual Lock connection. Both airflow connection openings are provided with a secure covers to seal the unused port.
EIU Chamber Specifications and Dimensions:	Frame: Silver anodized slotted aluminum Curtain: Clear 16 mil low-static NFP safety rated Curtain Seals: High-profile 3M Dual Lock (attachment to support frame) Magnetic tape (staff access) Approximately 50 Lbs. (19 kg) 66" (1.68 m) wide x 94" (2.39 m) long x 76" (1.93 m) tall
Airflow (standard unit):	The M100/EIU system provides up to approximately 70 air changes per hour depending on the airflow setting. The M100 provides up to 480 CFM (8.6 CMM) of airflow.
Options:	Hanging equipment hooks (inserted into groove of EIU support frame) Attachable Anteroom (standard 30" (0.75 m) x full length side wall) Custom sizes (Note: chamber size will effect the amount of air changes) Opaque curtains to close off chamber



Standard Size Chamber



**(PP) (NP)
EIU Chamber Airflow**

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