

MedicAir

ADVANCED HEPA FILTRATION

For healthcare facilities, isolation rooms and infection control areas

CSA (US) approved to medical standards



When an emergency situation arises there is no time to waste.

Working closely with healthcare professionals allowed us to understand their strict requirements and design a highly efficient air purification system that can be deployed in less than 15 minutes and transform a room* into an emergency negative pressure environment.

The MedicAir series is the only portable unit available in the medical field that will automatically adjust the airflow to maintain a predetermined pressure setting. This highly customized microprocessor control system will eliminate the need for hospital personnel to decide at what speed the unit should operate. The unit will automatically maintain negative pressure as well as guarantee a minimum of 12 air changes per hour*.

SPECIFICATIONS

Dimensions: 45.5"H x 22.25"W x 14.25"D, 175lbs
Airflow: 560 CFM
Pre-Filter: Multi Layered, 30% Efficient
HEPA filter: (2) Gel Sealed Cartridge Filters
Filter Seal: LaserBlue Gel
UV Light: (4) Germicidal UV Bulbs
Power: 120V, 60Hz
Sound levels: < 54dbA at Low Speed
Cabinet: Heavy Gauge Welded Steel
Finish: Powder Coat Smooth White

FEATURES

- Automatic control of room pressure via VFD controls
- HEPA filters are LaserBlue gel sealed, guarantee zero filter bypass of contaminated air.
- Microprocessor control ensures minimum airflow to maintain negative room pressure
- Alarms when room pressure not achieved
- Simple to Install
- Whisper quiet operation, noise level below 54dbA
- Decontamination ports
- CSA (US) approved to medical standard

MODELS

MedicAir900 Manual speed control
MedicAir905 Fully Automated c/w TSI Pressura Controller
MedicAir911 Fully Automated c/w TSI Pressura Controller, patient enclosure

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* Rooms as large as 2500 cubic feet as per CDC.

MedicAir

ADVANCED HEPA FILTRATION



Automated Negative Pressure and Alarm System

The Medicair series is the only portable unit available in the medical field that will automatically adjust the airflow to maintain a predetermined pressure setting.

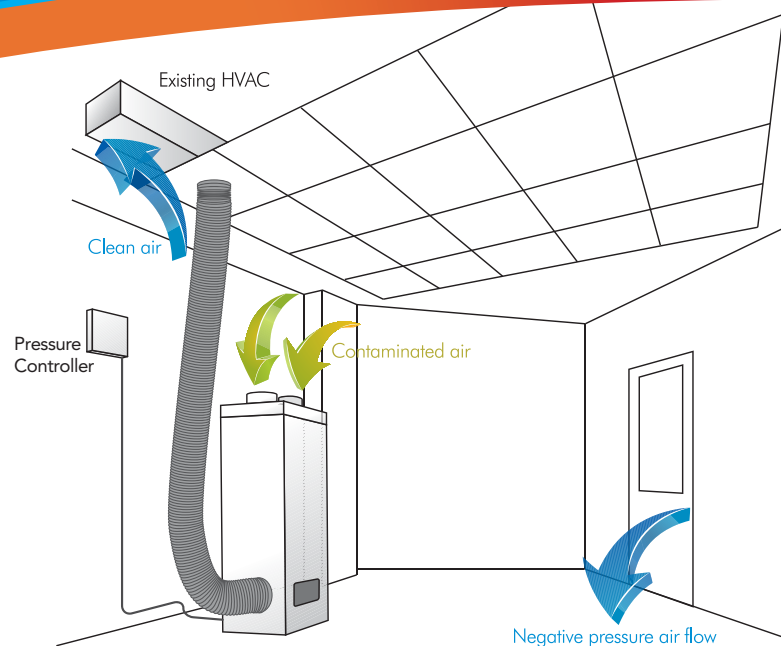
This highly customized microprocessor control system will eliminate the need for hospital personnel to decide at what speed the unit should operate.

The unit will automatically maintain negative pressure as well as guarantee a minimum of 12 air changes in rooms as large as 2500 cubic feet (10x30x8) as per the CDC.

Microprocessor Alarm Features

| | Audible | Visual |
|----------------------------|---------|--------|
| Room Pressure | ✓ | ✓ |
| Change Filter | ✓ | ✓ |
| Numeric Airflow Reading | – | ✓ |
| Numeric Low Pressure | ✓ | ✓ |
| Numeric Air Change Reading | – | ✓ |
| Low Room Pressure | ✓ | ✓ |
| Downloading Abilities | ✓ | ✓ |
| Controls Unplugged | ✓ | ✓ |
| Loss of Power alarm | ✓ | – |
| Maximum Airflow Achieved | – | ✓ |
| Change UV Light | ✓ | ✓ |
| Low Airflow Alarm | ✓ | ✓ |

- Control Security Access Code
- MODBUS communication capabilities
- Manual operation systems also available



SAFETY FEATURES

- Inlet to the system is at breathing zone level in an attempt to capture viruses as soon as possible
- Fans are located on the clean side of the HEPA filter ensuring a clean fan/motor/control section
- Heavy Duty rubber lockable casters
- Laser BlueGel: Sealant system guarantees zero filter by-pass
- Two ports to allow for easy in place decontamination with vented paraformaldehyde and ammonium bicarbonate
- Visual and Audible control system
- Controls are access code protected making them virtually tamper proof
- In addition to HEPA filtration, germicidal UV lights are used to help kill the viruses before being exhausted
- Two extended surface certified HEPA filters are used to minimize pressure drop, noise and filter life cycle
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