

Envirco ISO Clean Hospi-Gard



The Iso Clean



KOCHFILTER
PURE PERFORMANCE

ENVIRCO IsoClean

AIR CLEANING SYSTEM

Indoor Air Quality (IAQ) has never been more important.

Welded steel filter construction with a corrosion resistant finish

purified air is discharged at a high velocity from the exhaust grille.

airborne contaminants are drawn into the intake grille

BENEFITS & FEATURES

- Portable HEPA Air Filtration with UV-C Sanitizer Available.
- Air is cleansed of 99.99% of particles as small as 0.3 micron.
- Economical solution for creating a negative pressure, isolation room.
- Provides up to 24 room air changes per hour.
- 3-Speed Adjustable Airflow

Remove Allergens & Dust

Carbon Prefilter

Removes Viruses & Bacteria

Optional UV-C Available

NOW SHIPPING
MADE IN USA

KOCHFILTER.COM

ISOCLEAN AT A GLANCE

Complete exhausting system to create a negative pressure isolation room.

Motor/Blower Assembly
Direct drive, continuous duty, 1/3 Hp, 0.25 kW, 3-speed motor with sealed-for-life bearings and inherent overload protection.

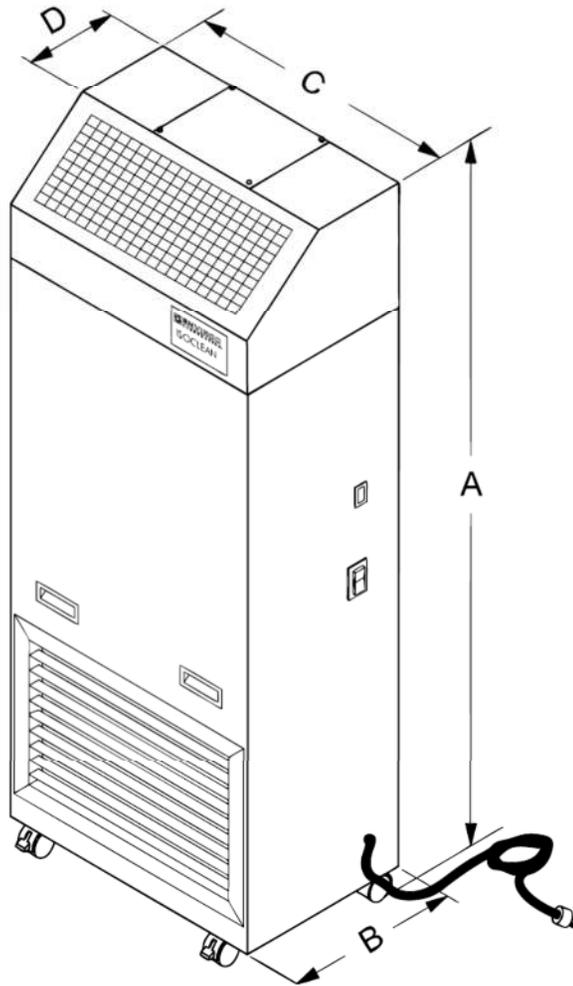
Hospital Applications

- » Negative Pressure Rooms.
- » Emergency Rooms.
- » Waiting Rooms.
- » Sputum Induction.
- » Aerosol Pentamidine Treatment.
- » Intensive Care Units.
- » Bronchoscopy Rooms.
- » Renal Dialysis Rooms.

Other Applications

- » Clinics.
- » Nursing Centers.
- » Physician Offices.
- » Homeless Shelters.
- » Addiction Recovery Centers.
- » Correctional Facilities.

■ Dimensional Information



| | | |
|---------------------------------------|----------|--------------------------------------|
| Part No. | | 10850 |
| Dimension Inches (mm) | A | 68.50 |
| | B | 15.75 |
| | C | 23.75 |
| | D | 8.75 |
| cUL Listed | | Yes |
| Airflow CFM (m³/hr) | | Low: 540 Medium: 670 High: 780 |
| Power Requirements | | 7.0 Amps @ 115 vac/60 Hz |
| Ship Weight | | 125 lbs. |

Performance



3-Speed Adjustable Airflow

The IsoClean[®] provides effective air filtration for a wide variety of room sizes. With speeds ranging from 540 to 780 CFM (917-1325 m³/hr) for Part No. 10850, the speed ranges for Part No. 10921 are 430 to 710 CFM (730 to 1200 m³/hr).

Room Air Changes Per Hour

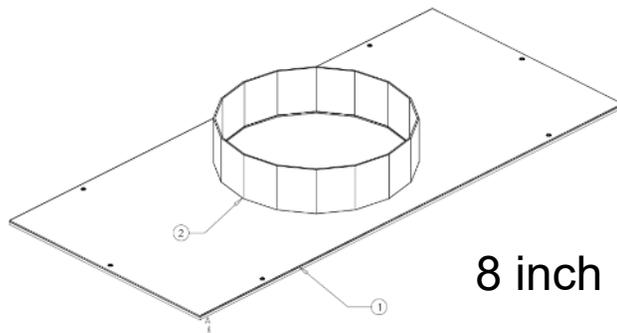
Provides up to 24 room air changes per hour (ACH) in a typical 18 x 12 x 8 ft (5.5 x 3.7 x 2.4 m) patient room or up to 12 ACH for rooms up to 3,900 cubic feet (100 cubic meters).



Options



| Part Number | Description |
|------------------|-------------------------------------|
| T10850-001 | 115 volt Non-UV HEPA Filter |
| T10850-002 | 115 volt Non-UV ULPA Filter |
| T10850-005 | 115 volt UV unit w/ HEPA Filter |
| T10850-11055 | 8 inch Duct Collar |
| T10850-69391-001 | Replacement HEPA Filter |
| T10850-90833 | 12x20x1 Poly Throwaway Pre-Filter |
| T10850-63349 | 12x20x1 Carbon Pre-filter |
| T10850-63352 | 12x20x1 Merv 8 Microsafe Pre-filter |
| T10850-63337-001 | Room Pressure Monitor |



8 inch Duct Collar

Operating Procedures



- Initial Set Up** - Connect the power cord to standard 115V electrical outlet. Assure that the circuit size will accommodate the IsoClean full load amps - 7 Amps.
- Locate and turn on the on/off switch on the right side of the unit. An airflow sound will be heard as the motor starts. Within 5-10 seconds the module will start to provide clean air or exhaust clean air from the room.
- Speed Adjustments** - To change speeds, remove the exhaust grille by pulling down and lifting out to gain access to the low/med/high speed control switch. Replace the exhaust grille after the appropriate speed is selected.
- Airflow Indicator**- The Airflow Indicator light is located on the right side of the IsoClean unit above the on/off switch. An airflow measuring device will check the CFM of each unit upon the initial certification. The volume of air exiting the upper discharge grille should be approximately 550 CFM on low, 700 CFM on medium, and 800 CFM on high. On high speed, the airflow indicator light will begin to flicker as static pressure increases. This signals that it is time to change out the HEPA filter.

Total Exhaust Mode



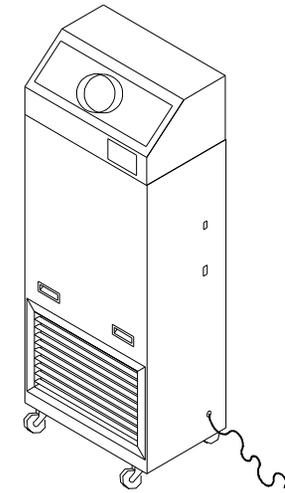
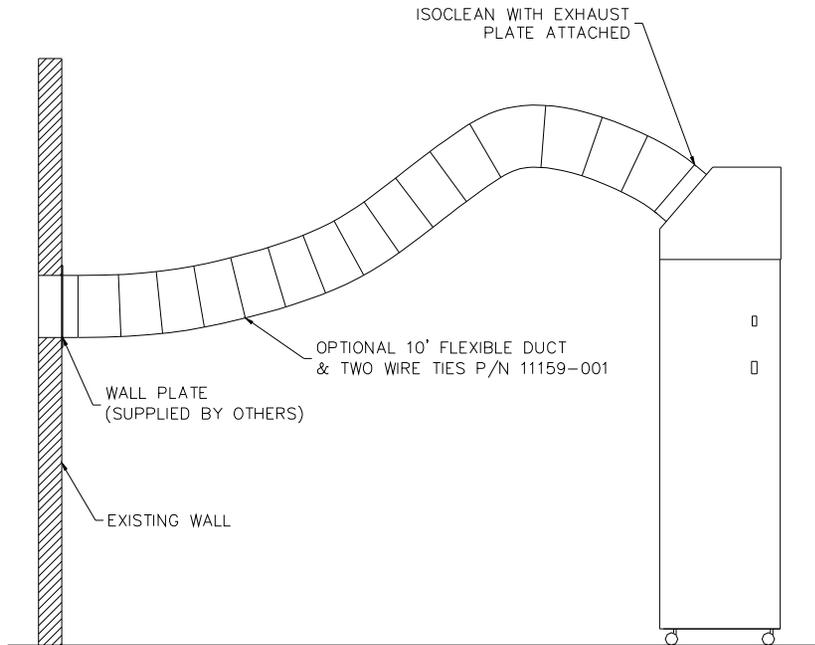
•**CDC Guidelines** - Rooms used for negative pressure isolation should be single patient rooms with negative pressure relative to the corridor or other areas connected to the room. The minimum pressure difference necessary to achieve and maintain negative pressure that will result in airflow to the room is 0.001 inch W.G.. To achieve this, the exhaust flow should be 10% or 50 CFM greater than the supply (whichever is greater).

•**Ductwork** - An optional 8" exhaust duct (P/N 11055) may be included with the IsoClean unit. Attach flexible exhaust duct over the 8" collar and attach with an 8" hose clamp. Note: The exhaust ductwork adds static pressure and reduces the amount of air that is exhausted depending on the length and number and type of bends in the ductwork. For example, a 10' run of standard flexible duct containing two 90-degree bends, will result in a 100 CFM airflow reduction.

•**Difficulty Achieving Negative Pressure**- The equipment may not be able to achieve or maintain negative pressure in conformance with the CDC guidelines due to building ventilation or rooms or air leakage. The room should be inspected for air leakage through doors, windows, plumbing, and wall penetrations. Appropriate corrective action should be taken to seal the leaks.

•**Running time to negative pressure conditions**- The amount of time to achieve negative pressure depends on the integrity of the patients room. This can take less than a minute, but averages between 1-2 minutes.

Total Exhaust Mode



ISOCLEAN WITH EXHAUST PLATE

- NOTES: 1. WALL PLATE – SHEET METAL ADAPTER PLATE FOR WALL OR WINDOW WITH SIDE VENT CAP OR ELBOW DOWN RECOMMENDED.
2. EXHAUST PLATE W/8" DUCT AND WALL PLATE MUST BE SEALED WITH EITHER SILICON CAULK OR GASKET. BY OTHERS.

HEPA Filter Change-out



- Filter Life** - The expected HEPA filter life is between 18 months to 2 years depending on the environment and maintenance protocol. A flickering filter change out light shows that the filter is at a 75% loaded status. When the light is solid, the filter should be changed out.
- HEPA Change-out-** Follow all CDC recommendations in regards to filter change-out practices appropriate personnel protection and respirators. Trained personnel should conduct the HEPA filter change-out.
- Remove prefilter as stated in previous slide.
- Remove front access panel. Lift the panel out and set it aside.
- Remove the six (6) bolts and clamps holding the HEPA filter. Slip a plastic biohazard bag over the filter from the top down. Tilt the top of the filter downward and wrap the bag over the bottom of the HEPA filter. Seal the bag for containment. It may be necessary to use two (2) biohazard bags to fully contain the filter.
- Dispose of bag through authorized service providers such as ENV Services.
- HEPA filter installation-** Remove the new HEPA filter from it's container and install it in the reverse order of removal. Care must be taken when handling the HEPA filter. Do not bump or squeeze the filter as this may damage the filter.
- Re-certification of the unit is required after the filter change out is complete.**

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