

Hospi-Gard® IsoClean®

The Hospi-Gard® IsoClean® is a portable, self-contained high efficiency particulate air (HEPA) filtration system designed to easily and economically create a negative pressure isolation room that will meet OSHA and CDC TB guidelines.

The IsoClean® can be used as a positive pressure clean air recirculating system in clinics, waiting rooms, hospital emergency rooms and other confined areas or as a partial or complete exhausting system to create a negative pressure isolation room for possible use with patients known or suspected of having TB, SARS or other infectious diseases.

As a recirculating unit, the IsoClean®'s powerful motor/blower can deliver up to 800 cubic feet per minute (CFM) or 1360 m³/hr to provide a large number of room air changes per hour to minimize the spread of airborne diseases to patients and healthcare workers.

As a negative pressure unit, the air passing through the HEPA filter is cleansed of 99.99% of particles as small as 0.3 micron and may be exhausted directly to the exterior through a window, or through a wall simply by connecting flexible ducting to the 6 in. (152 mm) collar located on the top of the IsoClean®.

The Hospi-Gard® IsoClean® filter contains 220 square feet (20.4 square meters) of media to extend its usable lifetime before filter loading occurs, resulting in decreased cost and fewer filter changes.

Low Cost Isolation Room

An easy and economical solution for creating a negative pressure, isolation room. Simply roll the IsoClean® into a standard room, connect flexible ducting to the 6 in. (152 mm) collar on the top of the unit for partial exhaust or to the optional 8 in. (204 mm) flanged collar for total exhaust and vent the purified air to the exterior through a window or wall.

Flexible Applications

The versatile IsoClean® can be used as a clean air recirculating unit, a negative pressure unit or as a split system to create both negative pressure and clean air recirculation by simultaneously exhausting some of the air out while recirculating the remainder back into the room.

3-Speed Adjustable Airflow

With speeds ranging from 550 to 800 CFM (935 to 1360 m³/hr), the IsoClean® provides effective air filtration for a wide variety of room sizes.

Room Air Changes Per Hour

Provides up to 27 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 4,000 cubic feet (113 cubic meters).



Low to High Clean Air Circulation Pattern

Room air, along with airborne contaminants, is drawn into the intake grille at the bottom while the purified air is discharged at a high velocity from the exhaust grille located at the top of the IsoClean® to generate a sweeping, low-to-high air circulation pattern with adequate "reach" to optimize the clean breathing zone for patient and staff.

Small and Portable

The IsoClean® can be rolled from one room to another and easily fits into areas with limited floor space.

Simple Maintenance

Both HEPA filter and prefilter are easily accessible for replacement by authorized personnel.

Quiet Operation

52 dBA on low, 56 dBA on medium and 60 dBA on high speed measured 30 in. (762mm) from face of the unit.

Filter

Aluminum Framed HEPA type, with a minimum efficiency of 99.99% @ 0.3 micron, aerosol challenged (zero probed). Airflow sensor indicates when the filter needs changing.

Prefilter

Disposable non-woven polyester media with frame - 30% ASHRAE.

Airflow

3-speed adjustable airflow provides 550, 690 and 800 CFM ±10% (935, 1173, 1360 m³/hr ±10%).

SPECIFICATIONS

6 in. (152 mm) Exhaust Port

Located on top of the unit for use as a split system to create both negative pressure and clean air recirculation.

Motor/Blower Assembly

Direct drive, continuous duty, 1/3 Hp, 25 kW, 3-speed motor with sealed-for-life bearings and inherent overload protection located on the "clean side" of the filter. Motor/blower assembly is mounted on vibration dampening rubber mounts and designed to provide rated airflow through a 50% increase in initial static pressure.

Electrical

Standard 5-15P, 115 V, single phase, 60 Hz, rubber-covered cord with 3-prong hospital grade, grounded plug.

Construction

Welded aluminum filter plenum and blower housing with a corrosion resistant polyurethane enamel finish.

Four 2 in. (76 mm) casters, two locking.

Warranty

Limited one year.

Hospital Applications

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

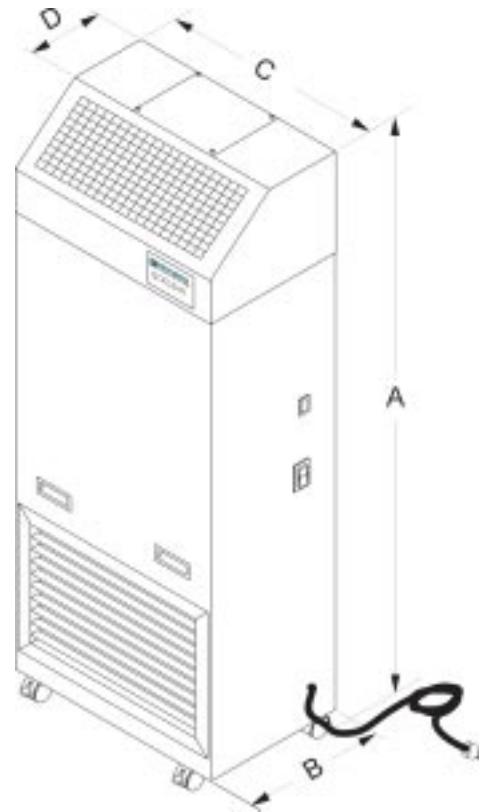
Other Applications

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

Options

- IsoClean with ULPA Filter Upgrade, Part No. 10850-002
- Minihelic Pressure Gauge, Part No. S11129-001
- Keylock ON/OFF Switch, Part No. S11073-001
- Anti-Microbial Prefilter, Part No. 63352
- Carbon Prefilter, Part No. 63349
- 8 in. (203 mm) 100% Exhaust Collar, Part No. 11055
- Room Pressure Monitor, Part No. 63337
- Annunciator, Part No. 63338
- 220 V, 50-60 Hz unit available Part No. 10921

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AND WITHOUT INCURRING LIABILITY FOR MODIFICATIONS TO EQUIPMENT PREVIOUSLY SOLD.



Part Number	10850	
Average CFM (m ³ /hour)	Low: 550 (935)	
	Medium: 690 (1,173)	
	High: 800 (1,360)	
Power Requirements Amps @ 115 V/60 Hz (230 V/50 Hz)	7.0 (3.5)	
CUL Listed	Yes	
Dimensions, inches (millimeters)	A	68.50 (1740)
	B	15.75 (401)
	C	23.75 (604)
	D	8.75 (223)
Unit Weight, lbs. (kilograms)	125 (56.7)	