

PRODUCT DATA SHEET

Introduction

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/environment 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, COVID-19, or other infectious diseases.

The IsoClean® is available in two different sizes: the IsoClean® 400 and IsoClean® 800. As a recirculating unit, the IsoClean®'s powerful motor/blower can deliver from 70 CFM (119 m³/hr) up to 400 CFM (679 m³/hr) for the IsoClean® 400 and 560 CFM (951 m³/hr) up to 800 CFM (1359 m³/hr) for the IsoClean® 800 to provide a large number of room air changes per hour to minimize the spread of airborne diseases to patients and health care workers.

Model	Isoclean 800				Isoclean 400			
	10'x8'x8'	12'x12'x8'	12'x15'x8'	15'x15'x8'	10'x8'x8'	12'x12'x8'	12'x15'x8'	15'x15'x8'
Room Dims.	10'x8'x8'	12'x12'x8'	12'x15'x8'	15'x15'x8'	10'x8'x8'	12'x12'x8'	12'x15'x8'	15'x15'x8'
Room Volume	800 ft³	1152 ft³	1440 ft³	1800 ft³	800 ft³	1152 ft³	1440 ft³	1800 ft³
Air Change Rate	42 - 60	29 - 41	23 - 33	18 - 26	5 - 30	3 - 20	2 - 16	2 - 13

Standard Features

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 (sold separately) 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.

Quiet Operation

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

Simple Maintenance

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

Adjustable Airflow

The IsoClean® provides effective air filtration for a wide variety of room sizes. The IsoClean® 400 utilizes a solid state speed control with speeds ranging from 70 to 400 CFM (119-679 m³/hr). The IsoClean® 800 utilizes a three position switch with speeds ranging from 560 to 800 CFM (951-1359 m³/hr).

Small and Portable

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

Low-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.



Hospi-Gard® IsoClean® 800

Hospi-Gard® IsoClean® 400

Options

- » ULPA Filter Upgrade
- » Minihelic Pressure Gauge
- » Keylock ON/OFF Switch
- » Carbon Prefilter (sold separately)
- » 8 in. (203 mm) Collar (sold separately)
- » 220 V, 50/60 Hz Unit Available
- » UV-C Sanitizer Available

Hospital Applications

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

Other Applications

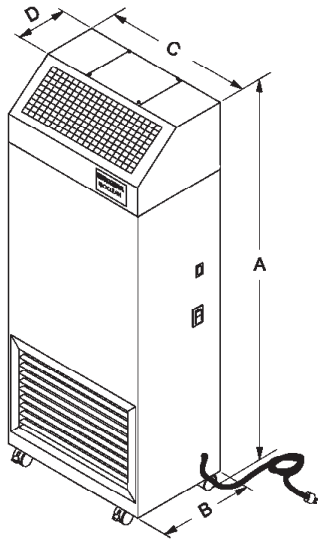
- » Clinics
- » Nursing Centers
- » Physician Offices
- » Homeless Shelters
- » Addiction Recovery Centers
- » Correctional Facilities

Warranty

- » Limited 1-year warranty

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■ Dimensional Information



Model	Isoclean 800				Isoclean 400			
Description	120V UV	220V UV	120V	220V	120V UV	220V UV	120V	220V
Part No.	10850-005	10921-004	10850	10921	10950-005	10960-005	10950	10960
Dimension Inches (mm)	A	62.25 (1581)			38.25 (972)			
	B	19.75 (502)	15.75 (400)		19.75 (502)	15.75 (400)		
	C	23.66 (601)						
	D	12.86 (327)	8.86 (225)		12.86 (327)	8.86 (225)		
UL Listed (E152685)	No	No	Yes	No	No	No	No	No
Speed Control Type	Three Speed Switch				Variable Speed Control			
Airflow CFM* (m³/hr)	Low: 560 (951) ± 10%				Min: 70 (119) ± 10% Max: 400 (679) ± 10%			
	Medium: 690 (1172) ± 10%							
	High: 800 (1359) ± 10%							
Power Requirements	8 Amps @ 115V/ 60 Hz	4.0 Amps @ 208-230V/ 60 Hz	6.9 Amps @ 115 vac/ 60 Hz	3.5 Amps 208-230 vac/ 60 Hz	4.5 Amps @ 115V/ 60 Hz	2.1 Amps @ 208-230V/ 60 Hz	4.4 Amps @ 115V/ 60 Hz	2.0 Amps @ 208-230V/ 60 Hz
Unit Weight lbs. (kg.)	200 (91)		175 (79)		100 (45)		90 (41)	
Shipping Weight lbs. (kg.)	285 (129)		250 (113)		173 (79)		153 (70)	
Shipping Dimensions (mm)	A	71.5 (1816)			47.5 (1206)			
	B	22.75 (578)	18.75 (476)		22.75 (578)	18.75 (476)		
	C	26.75 (680)						

* Note: Airflow reduced by 20% when running 50Hz.

■ Specifications

Construction

Welded steel filter plenum and blower housing with a corrosion resistant polyurethane enamel finish. Four 2" (51 mm) casters, two locking.

Filter

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

Prefilter

Disposable MERV8 multi-pleat anti-microbial prefilter with frame.

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, 0.25 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, rubber-covered cord with 3-prong hospital grade, grounded plug (120V Model). Standard 6-15P, 220 V, single phase, rubber-covered cord with 3-prong hospital grade, grounded plug (220V Model).

UL Listing

UL 507 E152685 on Standard Unit (Part No. 10850) only.

Ultraviolet (UV)

UV light operates continuously while unit is in operation. Wavelength type UV-C. IsoClean® 400 has 18" length, 1" diameter bulb with specs of 15.9W, .34A, and 4.9W UV-C radiation at 100 hours. IsoClean® 800 has 36" length, 1" diameter bulb with specs of 30W, .37A, and 12.0W UV-C radiation at 100 hours. Bulbs are rated for 9,000 hours of use.

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