

PRODUCT DATA SHEET

Hospi-Gard® IsoClean® Portable HEPA Air Cleaning System

The IsoClean® 800 and 400 are portable, self-contained high efficiency particulate air (HEPA) filtration systems designed to easily and economically create a negative pressure isolation room/environment that will meet OSHA and CBC 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 (118 m³/hr) up to 370 CFM (628 m³/hr) for the IsoClean® 400 and 560 CFM (951 m³/hr) up to 800 CFM (1359 m³/hr) for the IsoClean® 800. The IsoClean® provides a large number of room air changes per hour to minimize the spread of airborne diseases to patients and health care workers.



Hospi-Gard® IsoClean® 800

Hospi-Gard® IsoClean® 400

| Model | IsoClean® 800 | | | | IsoClean® 400 | | | |
|-----------------|---------------|------------|------------|------------|---------------|------------|------------|------------|
| Room Dims. | 10'x10'x8' | 12'x12'x8' | 12'x15'x8' | 15'x15'x8' | 10'x10'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 - 27 | 3 - 19 | 2 - 15 | 2 - 12 |

■ Features & Benefits

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

Adjustable fan speed allows for reduction of sound level as the airflow is reduced. At minimum airflow, the sound pressure is a negligible 47 dBA. At maximum airflow, the sound pressure is 59 dBA at 3 feet away. A normal conversation at 3 feet away is approximately 65dBA.

Small and Portable Footprint

The IsoClean® can be rolled from one room to another and easily fits into areas with limited floor space. Plugs into a typical 115V AC power outlet.

Simple Maintenance

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

■ Options/Accessories

- » UV-C Sanitizing Light
- » ULPA Filter Upgrade
- » 220V, 60Hz available
- » Carbon pre-filter*
- » 8 in. 100% Exhaust Collar*

*Sold Separately

■ Hospital Applications

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

■ Other Applications

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

■ Warranty

- » Limited 1-year warranty

Variable-Speed Adjustable Airflow

The IsoClean® provides effective air filtration for a wide variety of room sizes. The IsoClean® 800 utilizes a three position switch for speed control. The IsoClean® 400 utilizes a solid state speed control.

Efficient Air Scrubbing

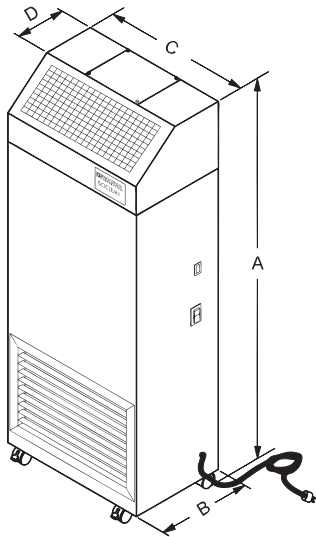
Room air, along with airborne contaminants, are drawn into the intake grille at the bottom while the purified air is discharged at a high velocity from the exhaust grill located at the top of the IsoClean® to generate a sweeping, low-to high air circulation pattern with adequate “reach” to optimize the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

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 a flexible ducting to the 6 in. (152 mm) collar on 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.

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■ IsoClean® 800 & 400 Dimensions & Performance



| Model | | IsoClean® 800 | | | | IsoClean® 400 | | | |
|-----------------------------------|---|--------------------------|-------|-------------|-----------|---|-------|-------------|-----------|
| Unit Description | | 115V | 220V | 115V UV | 220V UV | 115V | 220V | 115 UV | 220 UV |
| Part Number | | 10850 | 10921 | 10850-005 | 10921-004 | 10950 | 10960 | 10950-005 | 10960-005 |
| Dimensions - Inches (mm) | A | 62.25 (1581) | | | | 38.25 (972) | | | |
| | B | 15.75 (400) | | 19.75 (502) | | 15.75 (400) | | 19.75 (502) | |
| | C | 23.66 (601) | | | | | | | |
| | D | 8.86 (225) | | 12.86 (327) | | 8.86 (225) | | 12.86 (327) | |
| UL Listing | | Yes | Yes | Pending | Pending | Yes | Yes | Pending | Pending |
| Speed Control Type | | Three Speed Switch | | | | Solid State Speed Control | | | |
| Airflow CFM (m3/hr) | | Low: 560 (951) ± 10% | | | | Minimum CFM: 70 (118) ± 10% Maximum CFM: 370 (628) ± 10% | | | |
| | | Medium: 690 (1172) ± 10% | | | | | | | |
| | | High: 800 (1359) ± 10% | | | | | | | |
| Power Requirements | | 6.9A | 3.5A | 8A | 4A | 2.8A | 1.5A | 2.9A | 1.6A |
| Unit Weight - lbs. (kg) | | 175 (79) | | 200 (91) | | 90 (41) | | 100 (45) | |
| Shipping Weight - lbs. (kg) | | 250 (113) | | 285 (129) | | 153 (70) | | 173 (79) | |
| Shipping Dimensions - Inches (mm) | A | 71.5 (1816) | | | | 47.5 (1206) | | | |
| | B | 18.75 (476) | | 22.75 (578) | | 18.75 (476) | | 22.75 (578) | |
| | C | 26.75 (680) | | | | | | | |

■ Specifications

Construction

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

HEPA Filter

High Capacity HEPA, with a minimum efficiency of 99.99% @ 0.3 micron, aerosol challenged. Indicator light illuminates when the filter requires changing.

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

The IsoClean® 800 (1/3 HP) and 400 (1/4 HP) are equipped with direct drive, continuous duty, 3-speed motors. Both motors have sealed-for-life bearings and inherent overload protection. Motor/blower assembly is mounted on vibration dampening rubber mounts.

Prefilter

2 inch, disposable, MERV 8, anti-microbial pleated prefilter with frame.

UL Listing

UL 507 E152685 on p/n 10850, 10921, 10950, & 10960.

Electrical

Standard 5-15P, 115V, single phase, rubber-covered cord with 3-prong hospital grade, grounded plug (115V Model). Standard 6-15P, 220V, single phase, rubber-covered cord with 3-prong hospital grade, grounded plug (220V Model).

UV Light (if equipped)

UV light operates continuously while the 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.

ENVIRCO USA | 101 McNeill Road | Sanford, NC 27330

Tel: 919.775.2201 | Toll Free: 800.884.0002 | Fax: 800.458.2379 | www.envirco.com

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