

IsoClean 400 Product Overview & Data Sheet

ENVIRCO IsoClean® 400

Portable, self-contained High Efficiency Particulate Air (HEPA) filtration system with optional UV-C light.



IsoClean 800

IsoClean 400

Features

Up to 400 CFM of HEPA filtered air

Three configurations: 100% recirculation 100% exhaust and partial exhaust

Negative pressure capable

Variable speed adjustment

Greater than 6 air turnovers typical in a 500 sq. ft. space

Quiet operation and simple maintenance

99.99% efficient at 0.3 micron aluminum frame HEPA filter standard

Low-High clean air circulation pattern

UV-C light upgrade available (IsoClean 400UV)

ENVIRCO IsoClean 400 Portable HEPA Air Cleaning System

Engineered to provide the optimum combination of efficient HEPA air cleaning and provide a large number of room air changes per hour to minimize the spread of airborne diseases. The IsoClean 400 comes equipped with a hospital grade HEPA filter that has an efficiency of 99.99%. The unit can be set up in three modes: 100% recirculation, 100% exhaust (negative pressure) and partial exhaust. Both the prefilter and HEPA filter are easily accessible for quick and easy replacement.

How it Works

The IsoClean is designed to draw unfiltered air into the lower portion of the unit towards the prefilter.

The prefilter goes to work and begins the process of filtering out contamination such as dust, dirt and dander. Air then heads to the HEPA filter. ASHRAE is currently recommending a MERV 13 rating to combat airborne pathogens. HEPA filtration provides an even greater line of defense than a MERV 13 filter.

Finally, the air is cleansed. When configured for 100% air recirculation, the HEPA filtered air is returned to the environment.

Durable Components

The IsoClean 400 is manufactured in the USA and contains durable and long lasting components. The cabinet is made of welded steel which is designed to withstand everyday usage and the HEPA filter is long lasting which cuts down on replacement costs. The optional UV-C light adds an additional level of disinfection. UV-C light acts to destroy many indoor pollutants such as viruses, bacteria and mold. When combined with HEPA filtration, the IsoClean 400 is a leading option for clean air environments.

HEPA Air Filter



ENVIRCO IsoClean 400

Data specifications product features, applications, air change rates and contact information.

IsoClean 400 & 400UV Data Table Dimensions, Power Requirements & Weights

Description		120V with UV	220V with UV	120V	220V
Part No.		10950-005	10960-005	10950	10960
Dimension Inches (mm)	A (Height)	38.25 (972)			
	B (Depth)	19.75 (502)		15.75 (400)	
	C (Width)	23.66 (601)			
UL Listed (E152685)		Pending	Pending	Pending	Pending
Airflow CFM (m ³ /hr)		Min:70 (119) ± 10% Max: 400 (679) ± 10%			
Power Requirements		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.)		100 (45)		90 (41)	
Shipping Weight lbs. (kg.)		173 (79)		153 (70)	
Shipping Dimensions (mm)	A	47.5 (1206)			
	B	22.75 (578)		18.75 (476)	
	C	26.75 (680)			

Model	Isoclean 800				Isoclean 400			
Room Dims.	10'x'8'x8'	12'x12'x8'	12'x15'x8'	15'x15'x8'	10'x'8'x8'	12'x12'x8'	12'x15'x8'	15'x15'x8'
Room Volume	800 ft ³	1152 ft ³	1440 ft ³	1800 ft ³	800 ft ³	1152 ft ³	1440 ft ³	1800 ft ³
Air Change Rate	42 - 60	29 - 41	23 - 33	18 - 26	5 - 30	3 - 20	2 - 16	2 - 13

Contact Us

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- Applications
- Classrooms
- Medical / Dental Offices
- Waiting Rooms
- Gym / Spin Rooms / Yoga Studios
- Cafes/Delis

Simple Maintenance

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

Prefilter

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

Simple Maintenance

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Low-High Clean Air Circulation Pattern

Purified air is discharged at a high velocity from the exhaust grille located at the top of the IsoClean 400 to generate a sweeping, low-to-high air circulation pattern with adequate reach to optimize the clean breathing zone.

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.

Optional UV-C Light

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.