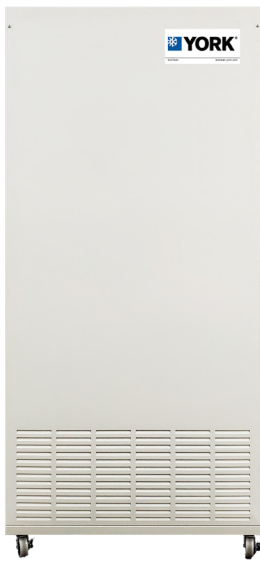


# IsoClean<sup>®</sup> CM

## Portable HEPA Air Cleaner with optional UV-C light



### IsoClean CM

The IsoClean CM is a portable, in-room air cleaning system that significantly improves indoor air quality. Each IsoClean CM comes equipped with two air filters; a MERV-8 anti-microbial prefilter to capture large pollutants and a high capacity HEPA filter that has efficiency to capture 99.97% of air contaminants @ .3 microns. Engineered to provide the optimum combination of efficient HEPA air cleaning with multiple air changes per hour, the unit helps minimize the spread of airborne diseases. The unit has an efficient variable speed centrifugal blower with adjustable fan speeds to control the number of air changes per hour.

### How it works

The IsoClean CM is designed to draw unfiltered air into the lower portion of the unit. The air passes through a 2 inch antimicrobial prefilter before passing through a 99.97% efficient high capacity HEPA filter. ASHRAE is currently recommending a MERV 13 rating to combat airborne pathogens. HEPA filtration provides an even greater line of defense. The IsoClean CM provides a large number of air changes per hour to continually improve indoor air quality.

### Room air changes per hour

Provides 6 room air changes per hour (ACH) in a 1700 sq. ft. space or 12 room air changes in a 850 sq. ft. space. Assumes 10 ft. high ceilings.

### High capacity HEPA air filter

The HEPA filter is tested for efficiency utilizing non-toxic polyalphaolefin (PAO) to ensure that every filter meets the required specifications. Minimum efficiency of 99.97% @ 0.3 micron. Accessible through a large removable access panel for maximum serviceability.

### Variable-speed adjustable airflow

The IsoClean CM provides effective air filtration for a wide variety of room sizes with airflow ranging from 400 to 1700 CFM (680-2888 m<sup>3</sup>/hr).

### Portable, vertical footprint

The IsoClean CM can be rolled from one room to another and easily fits into areas with limited floor space. The 120 volt unit plugs into a standard wall receptacle.

### Controls

On/Off switch and motor controller located on left side of unit allows simple set-point adjustment and a digital display indicates current motor speed. A green LED indicates normal operation. A red LED provides indication when filters need to be changed.

# IsoClean CM Technical Data



	120V UV	120V
Part No.	272000-005UV	272000-005
Dimensions Inches (mm)	H 57.75 (1397) D 26.18 (635) W 24.75 (635)	
UL Listed	pending	pending
Airflow CFM (m <sup>3</sup> /hr)	Variable speed Minimum CFM: 400 (679) ± 10% Maximum CFM: 1700 (2888) ± 10%	
Power Requirements	10.2 Amps @ 120V/60 Hz	
Unit Weight lbs. (kg.)	148 (67)	150 (68)
Shipping Weight lbs. (kg.)	173 (79)	175 (80)

## Motor/blower assembly

Direct drive, continuous duty, 1HP, variable-speed, electronically commutated motor with sealed-for-life bearings and inherent overload protection located on the "clean side" of the filter.

## Optional UV-C light

UV-C light operates continuously while the unit is in operation. The bulb has a wavelength of 254 nM with specs of 15.9W, .34A, and 4.9W of UV-C at 100 hours. Bulb is rated at 9000 hours.

## Chassis construction

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

## Warranty

Limited 1-year warranty

## Features

- Up to 1700 CFM of HEPA filtered air
- 6 room changes per hour (ACH) in 1700 sq. ft. room
- High capacity HEPA filter with 99.97% efficiency at 0.3 micron
- Corrosion-resistant polyurethane enamel finish
- LED indicator for operation and filter replacement
- Direct drive electronically commutated motor/blower
- UV-C light upgrade available (IsoClean CM UV)

## Applications

- K-12 Classrooms
- Higher Education
- Medical Offices
- Correctional Facilities
- Restaurants & Bars
- Intensive Care Units
- Shelters & Rehab Facilities
- Manufacturing Plants
- Fitness Centers
- Auditoriums

