

Mobile HEPA Air Handling Unit



Isolation Room and Air Recirculation Solutions

The power behind **your mission**

Mobile HEPA Air Handling Unit

Product Introduction

YORK® Mobile HEPA Air Handling Unit YMU series is a movable, self-contained high efficiency particulate air (HEPA) filtration system with an ultraviolet (UV) lamp that helps to disinfect the air.

It can be used as complete exhausting system to create a negative pressure isolation room for possible use with people known or suspected of having virus or other infectious diseases.

Also it can be used as a clean air recirculation system in clinics, waiting rooms, nursing homes and other high human traffic areas to purify and disinfect the indoor air. It can deliver up to 1500/2500 CMH to provide a large number of room air changes per hour to minimize the spread of airborne diseases to patients and health care workers.

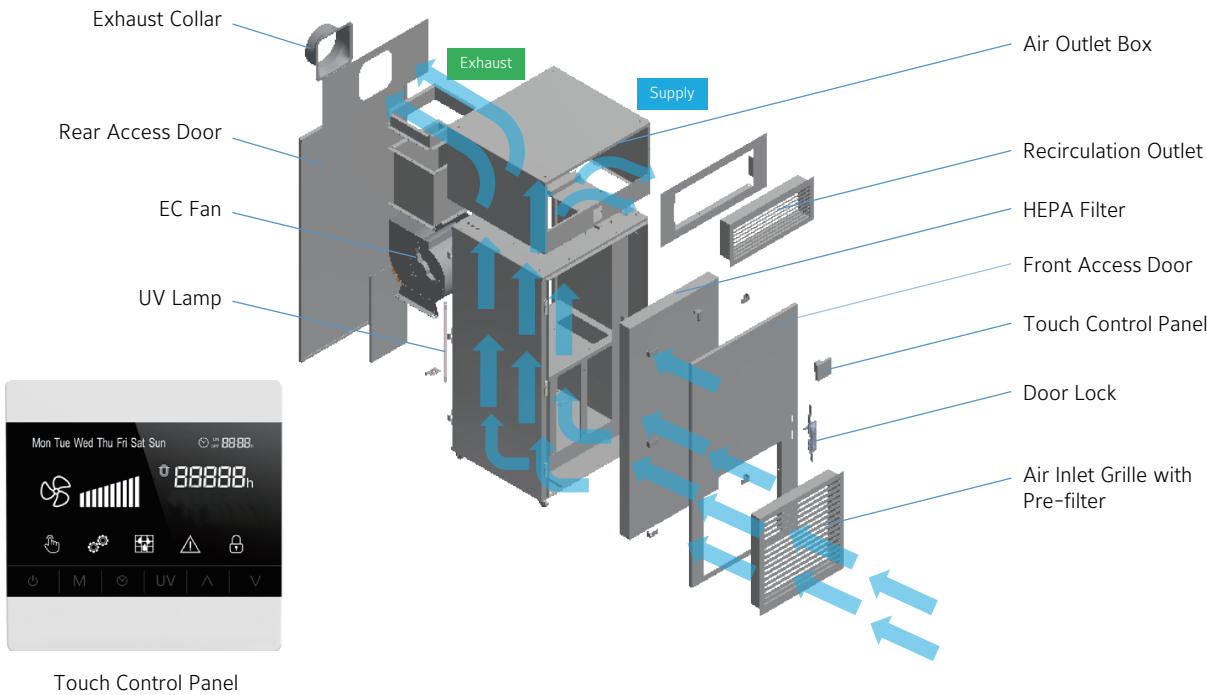


An Economic Solution to Create an Isolation Room!

An economic and easy solution for creating a negative pressure isolation room. Simply roll the YORK® Mobile HEPA Air Handling Unit into a standard room, connect the flexible ducting to the 200mm flanged collar for 100% exhaust and vent the purified air to the exterior through a window or wall.

Working Principle

The air passes through the HEPA filter with microorganism purification rate 99.99%@0.3µm, and UV lamp will emit 254nm wave length UV lights, which will be absorbed by biological organism DNA/RNA and proteins, causing rupture of cell walls and death of organism, hence will lead to disinfection purpose. The purified and disinfected air may be exhausted directly to the exterior through a window or wall, or recirculate in the room.

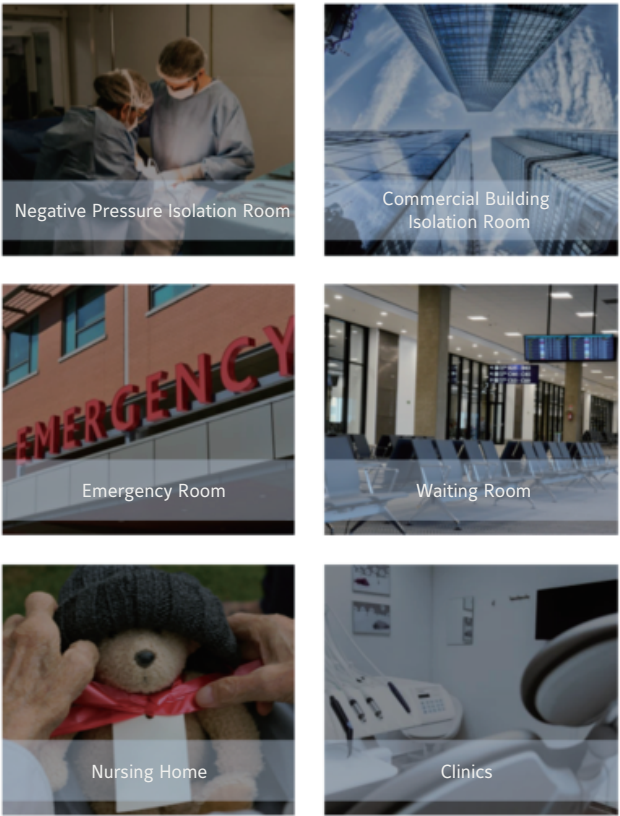


Mobile HEPA Air Handling Unit

Product Features

-  **Mobility**
With wheels easily movable.
-  **Easy Maintenance**
HEPA size standard, easy to obtain.
HEPA replacement indication available.
Access door open without tool.
-  **UV Sterilization**
UV lamp provided as standard offering, helps kill bacteria/virus to disinfect.
-  **Smart Control**
Screen touch with on/off, Manual/Auto, Timer, UV on/off, speed control etc.
-  **H13 grade HEPA filter**
Microorganism purification rate 99.99%@0.3µm
H14 grade filter as option.
-  **Flexible Application**
100% exhaust and 100% supply flexible switchable.
200mm diameter round duct collar provided as standard offering.
-  **Room Air Changes Per Hour (ACH)**
Up to 12 ACH in 125 m³ / 208 m³ respectively for 2 models.
-  **EC Motor**
High efficiency with 10 speeds adjustable, low noise and energy saving.

Typical Application



Product Specification

Category	YMU-1500	YMU-2500
Power supply	220-240V, 50/60Hz, 1Ph	
Air flow	700-1500CMH	1500-2500 CMH
Power	275 W	400 W
Applicable room volume (12 x ACH)	125 m³	208 m³
HEPA material / grade	PTFE material, H13 grade, H14 as option.	
Fan	EC centrifugal fan, 10 speeds adjustable	
Unit weight	106 kg	112 kg
Unit Dimension (H*W*D)	1712*680*626 mm	1762*720*626 mm

