

THRC

The Titus HEPA Room Air Cleaner (THRC) is the ideal solution to improve indoor air quality by providing continuous filtration within the space. When equipped with the optional Germicidal Ultraviolet light, the THRC provides superior defense against the spread of infectious airborne particles. The quiet operation and durable steel cabinet makes the THRC ideal for use in classrooms, open and individual offices, restaurants, retail spaces, and other high occupancy areas.

Increased Ventilation

The THRC can add up to 6 clean air changes in a 16,800 ft² room, and as many as 10 clean air changes in a 10,000 ft² space.

High Efficiency Filtration

99.99% efficient HEPA filters or 99.9995% efficient ULPA filters capture airborne pathogens that would otherwise remain airborne for 40 hours or more.

Enhanced Air Cleaning

The optional high intensity UV-C germicidal lighting provides additional defense for occupants by inactivating airborne viruses, bacteria, and fungal spores.

Exhaust Configuration Applications

By removing the blank-off and installing the 6-inch duct collar 50% of the air can be recirculated and the remaining 50% can be exhausted. A 100% exhaust configuration can be achieved by replacing the supply grill with the 8-inch ducted collar accessory.



AVAILABLE MODELS

THRC / Ultra Flow
THRC / High Flow
THRC / Low Flow



healthcare

open spaces

k-12 education

universities

gyms

airports

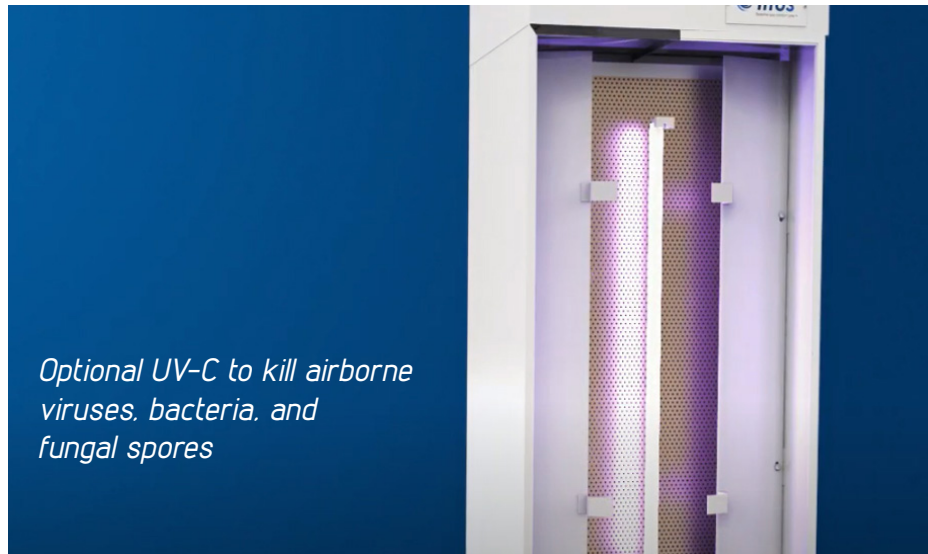
Increased Ventilation and Enhanced Filtration

The THRC increases the volume of clean air changes by recirculating room air through high efficiency filters. This affects the spread of infectious aerosols through dilution which reduces the volume of potentially infectious particles within the space. The airflow pattern of the THRC delivers the clean air changes into the breathing zone where it is most important for occupants.



Enhanced Air Cleaning

ASHRAE also endorses the use of ultraviolet germicidal irradiance (UVGI) as an effective technology for deactivating the airborne viruses, bacteria, and fungal spores both in HVAC systems and the occupied space. The THRC can come equipped with optional UV-C lighting (254 nm wavelength) and further enhances the cleanliness of the recirculated air. UV-C bulbs in the THRC are rated for 9,000 hours of continuous usage and are placed upstream of the HEPA filter to ensure all captured particles are inactivated.



Exhaust and Partial Exhaust Applications

Ultra and Low Flow units can be set up for two different exhaust setups. THRC is supplied with a 6-inch duct collar, underneath a blank-off plate on the top of the unit. By removing the blank-off and installing the 6-inch duct collar, 50% of the air can be recirculated and the remaining 50% can be exhausted. A 100% exhaust configuration can be achieved by replacing the supply grill with the 8-inch ducted collar accessory. These configurations can help convert standard patient room to isolation rooms when outbreaks occur.

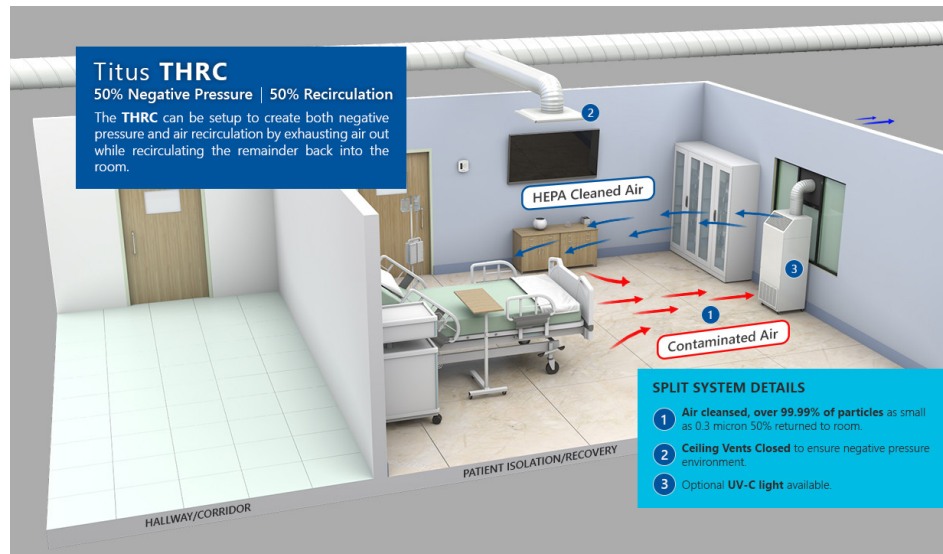


TABLE 1 – AIR CHANGES PER ROOM VOLUME

Model	Ultra Flow Configuration		High Flow Configuration		Low Flow Configuration	
Room Volume	10,000 ft ²	16,800 ft ²	4,750 ft ²	8,000 ft ²	2,400 ft ²	4,000 ft ²
Max ACH ⁻¹	10	6	10	6	10	6