

HEPAiR^x

Ventilating Room Air Filtration System

The HEPAiR^x system is an air filtration device that quickly and effectively purifies the room of airborne particles and contaminants. The system combines multiple strategies for maintaining optimal health. Each window unit uses HEPA grade filtration, ventilation to exhaust the room air every 30 minutes, UV-C light, and creates positive or negative pressure spaces to reduce the number of particles from entering or exiting the space for patient specific care.

The HEPAiR^x System is the **ONLY** unit that

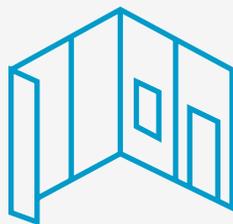
- ✓ Brings dedicated fresh air into the space to naturally dilute VOC and gases.
- ✓ Integrates the HVAC to isolate the space from the existing systems. HVAC ductwork is a source of cross contamination between operatories. The HEPAiR^x system seals off the existing system to isolate it from adjacent spaces creating a true isolation space.
- ✓ Pressurizes the space. Creates either a negative or positive pressure environment.
- ✓ Uses optional upstream UV-C to kill viruses trapped on the intake side of the HEPA filter. This is the only effective means of killing the virus on the HEPA filter.



Common Applications



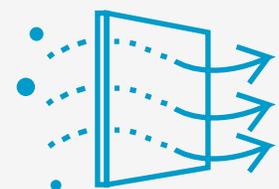
Healthcare / Dental



In-Plant Offices



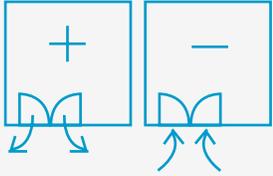
Child / Elderly Care



Cleanrooms

HEPAiRx[®]

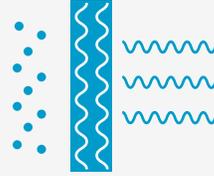
Ventilating Room Air Filtration System



The HEPAiRx[®] system provides the option to convert the room to either negative pressure to contain contaminants within the space, or positive pressure to isolate space from nearby contamination risks.



The on-board heating and cooling system provides patients and health care workers with a comfortable environment. Creates a true isolation space by eliminating cross contamination risks from adjacent spaces.



The integrated HEPA filter and engineered airflow quickly removes particle contaminants from the space. Smart sensors tell you when a filter needs to be changed based on particle loading data.



Optional UV-C light is used to sterilize the viruses that are captured on the HEPA filter.

We created the HEPAiRx[®] unit to keep patients and staff safe in a variety of settings. This system will ensure that your employees will feel comfortable coming into work every day. It can also be utilized in environments where a clean air exchange is necessary.

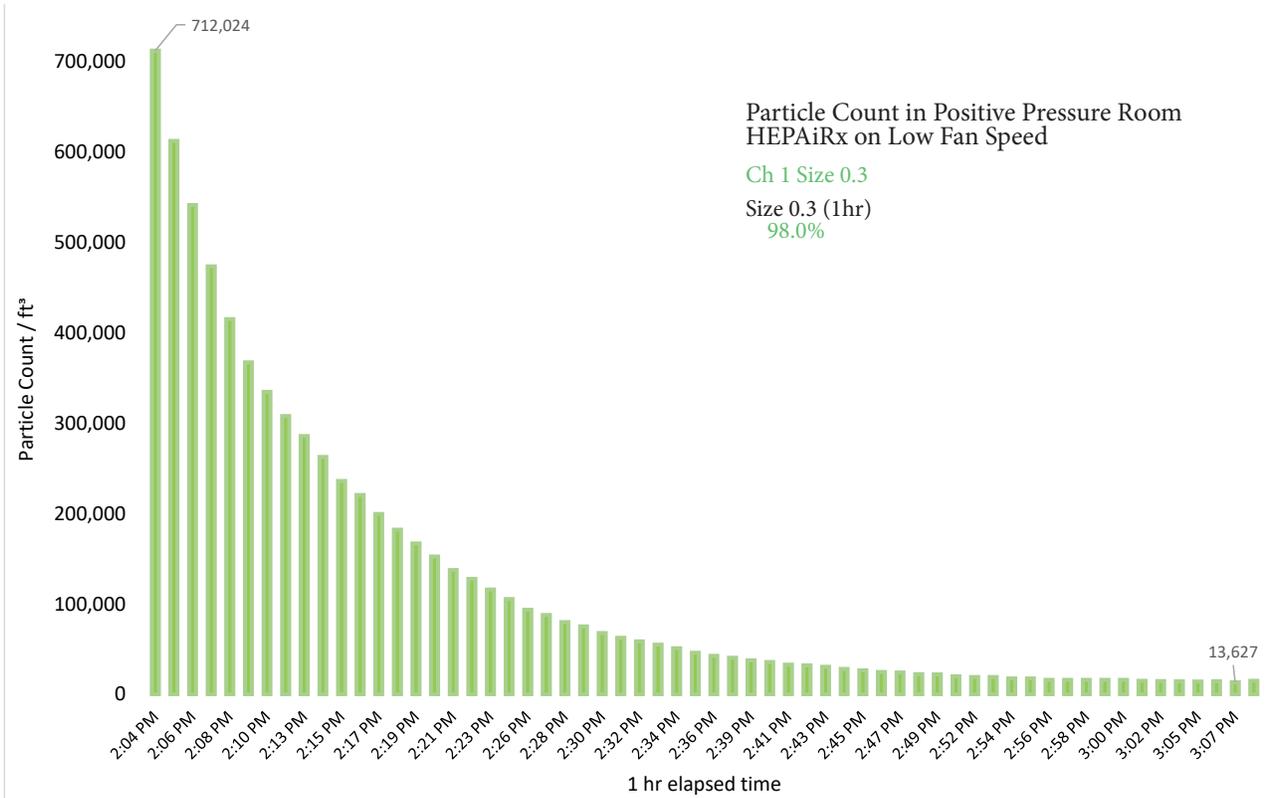


In a field trial study we found there was a 99.3% particle count reduction in just one hour in a positive pressure room with a HEPAiRx[®] system on low fan speed (size 2.5 micron particles). In another study there was a 99.2 VOC reduction in six weeks in a positive pressure room with a HEPAiRx[®] system on low fan speed (in an unoccupied room).

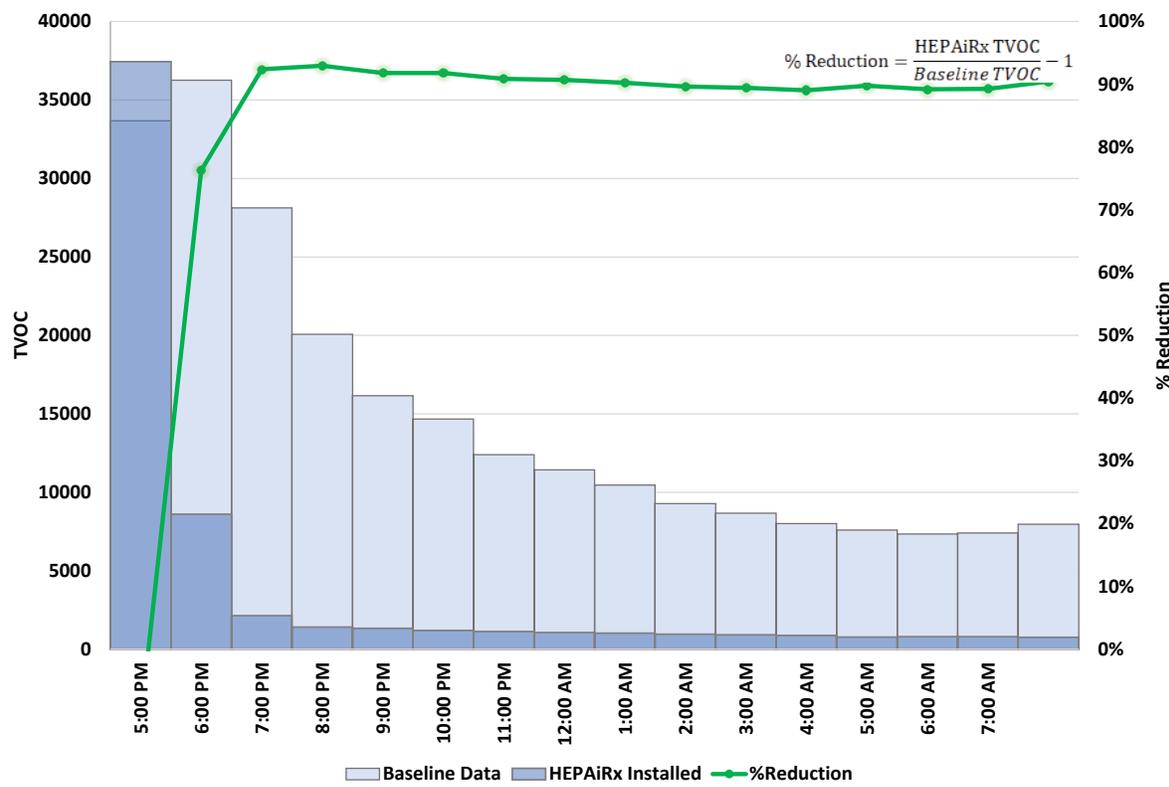
HEPAiRx[®]

Ventilating Room Air Filtration System

HEPAiRx[®] System Field Trial



Airborn Chemicals (TVOC $\mu\text{g}/\text{m}^3$) HEPAiRx Closed Room Positive Pressure -vs- Baseline



HEPAiR^x

Ventilating Room Air Filtration System

Electric				
	Min. circuit size 115 volt, 60 cycles, 15 amps			
Power (amps): (3-pronged outlet required)				
	Cooling 6.8			
	Heating 9.6			
Operating				
	Cooling (high speed) 6,230 BTU/hour total, 4,000 BTU/hour sensible			
	Cooling (low speed) 4,220 BTU/hour total, 3,190 BTU/hour sensible			
	Heating 3,413 BTU/hour (1kW)			
Airflow (CFM):		99.97% HEPA		
		High Speed	Low Speed	
	Evaporator	225	140	Note: with HEPA filter
Fresh Air		Pos Pressure	Neg Pressure	
	Intake	60	40	
	Exhaust	40	60	
Standard Operating		Conditioning		
	Outdoor Air Temp	95	75	
	Inside Air Temp	80	67	
Dimensions (inches)		Wide	High	Deep
	Inside window	22	22	12
	Outside window	19.5	13.75	17
	Overall	22	22	29
	Min. window opening	22	13.75	
Cabinet Construction				
	Commercial grade components for durability and longevity			
	Exterior surfaces power-coated aluminum for weather resistance			
	Air louvers (4) adjust airflow and direction			
Filters				
	Prefilter (2) - capture large particles before they enter re-circulating system			
	-removable; vacuum, rinse off and replace as needed			
	Outside screen - capture large particles before they enter room			
	-removable; vacuum, rinse off and replace as needed			
	HEPA - 99.97% minimum efficiency at removing airborne particles .3 micron size			
	-call manufacturer for replacement			
	(Loading of the filters dependent on outside air and room conditions.)			
Controls				
	Programmable touch pad			
	Digital LCD display with blue illumination			
	Negative/positive options			
	UV-C light (optional)			
Certifications				
	ETL			
Weight (pounds)				
	118 (two person lift recommended)			
Refrigerant				
	R410A			
Sound				
	Similar to "white noise" machines			
Warranty				
	1 year materials and workmanship			
	90 days labor			
	(HEPA filters are consumables and exempt from this warranty)			

7/18/23

