The HEPAirX® 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 HEPAirX® 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 HEPAirX® 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
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® System Field Trial

Particle Count in Positive Pressure Room HEPAiRx on Low Fan Speed
Ch 1 Size 0.3
Size 0.3 (1hr) 98.0%

Airborn Chemicals (TVOC μg/m³)
HEPAiRx Closed Room Positive Pressure -vs- Baseline

% Reduction = \frac{\text{HEPAiRx TVOC}}{\text{Baseline TVOC}} - 1

Baseline Data HEPAiRx Installed %Reduction
### 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: 225
  - Low Speed: 140

### Fresh Air
- Intake: 60
- Exhaust: 40

### Standard Operating
- **Conditioning**
  - Outdoor Air Temp: 95
  - Inside Air Temp: 80

### Dimensions (inches)
- **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
- Prehler (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)