



**NU-112/114 Clean Air Scrubbers**

The NU-112 and NU-114 Clean Air Scrubbers are portable self-contained units capable of filtering particulates where ISO Class 7 or Class 8 Air Quality is a requirement.

The cabinet utilizes rough disposable pre-filters to help prolong the life cycle of the main 99.99% HEPA filter. Each scrubber can be used in a variety of different locations, depending upon the need for clean air.

**Applications**

This versatile unit can be used to recirculate air in a defined area, or be placed between two distinct adjacent areas to act as a positive or negative pressure and the outlet side will have higher (positive) air pressure.

**Construction**

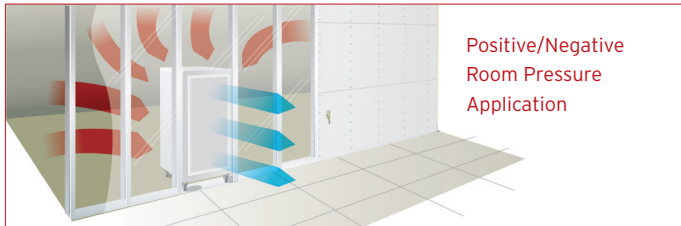
The AireGard 114 can be “built in” to a temporary wall or hallway during construction or remodeling projects. Air can be continuously drawn away from the contaminated area and exhausted as clean HEPA-filtered air into the clean area. The AireGard 114 can also be used within a construction area to recirculate and purify air when ceiling tiles, walls, or plumbing are disrupted or if fumes and odors are evident from cleaning, painting, etc.

**Clinical/Medical**

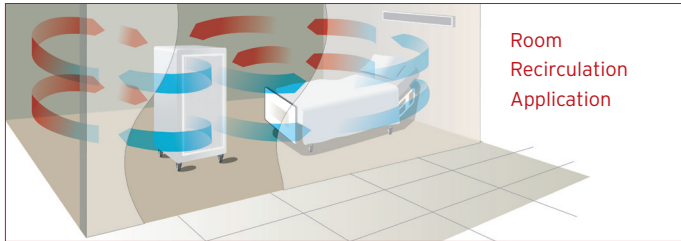
The AireGard 112 can be used for recirculating air in common areas where highly filtered air is desired and any location where the potential infection status of occupants is a concern. HEPA filtration is effective in controlling infectious bacteria and viruses ranging from common “cold” germs to more dangerous organisms such as SARS and TB.

**Biological Terrorism**

The unit can provide a significant measure of safety in the capture and containment of microbes having a history of use or those likely to be used in an act of terrorism



Positive/Negative Room Pressure Application



Room Recirculation Application

**More Air Changes Means Air is Filtered More Frequently Resulting in Superior Air Quality**

**General Air Quality**

Room Size in Feet (H x W x D) = X cu.ft.

$$\frac{720 \text{ CFM (Air Volume)}}{\text{Room Size in cu.ft.}} = \text{number of room air changes per minute}$$

**Example**

Room Size = 8 ft. x 10 ft. x 12 ft. = 960 cu.ft.

$$\frac{720 \text{ CFM}}{960 \text{ cu.ft.}} = .75 \text{ room air changes per minute}$$

$$.75 \times 60 \text{ minutes} = 45 \text{ room air changes / hour}$$