



eco-pure™ NLA-90 Portable Air Treatment Unit

Relentless cleaning power that kills airborne viruses and contaminants DEAD with clean, efficient ultraviolet light.



The NLA-90 portable air treatment unit provides a total, multi-pronged attack against infectious agents commonly found in the health care industry. Heavy-duty and powerful, yet amazingly portable, the NLA-90 grabs microscopic contaminants out of the air and neutralizes them in a process that's exclusive to UVGI

Pollutants are first pulled through a HEPA grade filtration stage that removes particles up to 0.3 microns with 99.9 % efficiency. Airflow continues through an activated carbon stage for removal of allergenic agents and irritants. The air then passes through a series of high output UV lamps, which neutralizes bacteria, viruses, fungi, mold spores and odors. Finally, purified air enters the environment giving the occupants the highest level of protection against airborne contaminants.

Today, more-than ever, hospitals are beginning to realized the health risks associated with poor IAQ. Recent studies have shown:

- UVGI that occurs in the upper portion of the air in a room economically reduces exposure to mycobacterium (MTB) – January, 2002 Environmental Health Perspective
- Study states that ceiling mounted HEPA with UV are a potential control to prevent the spread of bioaerosol contaminants – February, 2005 Journal of Air & Waste Management Association
- The use of UVGI reduced worker sickness by 20 % including a 40 % drop in health problems – November, 2003 Lancet (McGill Study)

NLA-90 Portable Key Performance Features



- Pre filter can remove large particles to protect and prolong HEPA life
- HEPA filter with hospital rating can filter 0.3 micron particles up to 99.9 %
- Active carbon filter will dramatically reduce harmful chemicals (e.g. formaldehyde) and peculiar smells
- Conforms to CDC 2003 guidelines to place UV lamps as a Supplement to HEPA filtration
- Creative and adjustable "Topflow" provides up to 10 ACH in a typical room
- Low noise, three-step fan blower can adjust airflow according to the customer requirements
- Bottom mounted adjustable casters allow the unit to be moved to desired treatment location
- Certified to Fujan Center for Disease Control and Prevention
- Unit can be programmed to treat room area at 4 time intervals selected by the users to minimize operating cost
- Built in cleaning feature to keep unit in peak operating condition
- Internal baffles to prevent UV light from exposing health care worker and increase the exposure time of the air stream to the UV lamps

Application Areas

- Hospital waiting rooms
- Operating rooms
- Outpatient clinics
- Sanitariums
- Correctional facilities
- Pediatrician offices
- Animal hospitals
- Morgues
- Emergency rooms
- Clinical laboratories
- Bronchoscopy suites

Specifications

Blower Power	210 watts
Maximum air flow	471 cfm
Lamp life	9000 hours
Noise level	< 60 dB @ max flow
Dimensions	43"(h) x 16"(w/l)
Treatment volume	2825 cubic feet
Avg. light intensity	26,000 $\mu\text{W}/\text{cm}^2$
Pre filter removal	> 5 micron particles
Lamp type	3 HO, ozone free
Number fan speeds	3