



## *HG2500 Hydroxyl Air Treatment System*



### **NEWAIRE HG2500 Hydroxyl Air Treatment Systems**

Amazingly compact and lightweight, the Newaire HG2500 Hydroxyl Air Treatment System features state-of-the-art Photo Catalytic Hydroxyl Generator Technology designed to treat the air inside the unit to help eliminate odors and destroy a wide range of bacteria in occupied areas.

Feature	HG2500
Room Capacity	2500 sq/ft
UV Bulb	UVC Germicidal
Chamber Life Expectancy	25000 + hours
Photo Catalytic Chamber	Hydroxyl
Pre & Post Filter	Carbon
Color/Material	Brushed Aluminum ABS/PC Black
Weight	8.5 lbs
Size	8.2"W x 10"D X 17"L
Volts/Amp	110v/1.1amps
Fan Volume	212 CFM
Timer	24 hours/ Continuous
Warranty	2 Years

### **PERFECT FOR TREATING OCCUPIED SPACES IN:**

- \* Hotels \* Funeral Homes \* Apartments \* Offices \* Schools**
- \* Hospitals \* Nursing Homes \* Buses & Shuttles \* Vehicles**
- \* Boats \* Fitness Centers \* Day Care Centers**

## What Is A Hydroxyl Radical?

The hydroxyl radical,  $\bullet\text{OH}$ , is the neutral form of the hydroxide ion ( $\text{OH}^-$ ). Hydroxyl radicals are diatomic molecules that are highly reactive and very short-lived with an average half-life of less than two seconds. The hydroxyl radical which was first discovered by scientists in 1963 is often referred to as the “detergent” of the troposphere, or the lowest part of the atmosphere, because it reacts with many pollutants and helps destroy them. It also has an important role in eliminating some green-house gases like methane and ozone. Atmospheric hydroxyl radicals should not be confused with free radicals that are produced inside living organisms. Atmospheric hydroxyl radicals are so reactive that they are instantly neutralized when they make contact with any substance and would be impossible to ingest as a complete ion. This is the fact that makes hydroxyl radicals, which are in the outside air at all times during the day, one of the safest processes for deodorizing in an occupied area. Hydroxyls are formed in nature by the reaction of UV light from the sun disassembling water vapor ( $\text{H}_2\text{O}$ ) to get a hydrogen atom and oxygen ( $\text{O}_2$ ) which are combined together to form the hydroxyl radical ( $\bullet\text{OH}$ ).

## What are the Benefits of Using a Hydroxyl Generator?

The main benefit of using a true hydroxyl generator is that they are safe to use in occupied areas for deodorization purposes. Business owners do not have to shut down and lose precious business. If people and animals can be removed from the treatment area, ozone will always do the job faster, the general rule of thumb is if a strong ozone generator would take one day to do a job, a true hydroxyl generator will take three to five days to do the same job. Also there are a large number of studies showing that a hydroxyl generator is very effective at eliminating a broad range of bacteria and viruses as they pass through the unit and come in contact with the germicidal UV lamp.

## Maintenance Kits



**Item # HG2500FILKIT**



**Item # HG2500LIGKIT**

**For More Information Contact:**