

WARNING HYDROXYL GENERATOR SAFETY

Any piece of equipment can be dangerous if not operated properly. **YOU** are responsible for the safe operation of this equipment. The operator must carefully read and follow any warnings, safety signs and instructions provided with or located on the equipment. Do not remove, defeat, deface, or render inoperable any of the safety devices or warnings on this equipment. If any safety devices or warnings have been removed, defeated, defaced, or rendered inoperable, **DO NOT USE THIS EQUIPMENT!!!**

DANGER

Important Safeguards:

- Do not operate equipment before reading and familiarizing yourself with all instructions, procedures, cautions and warnings contained in this manual.
- Save these instructions for later reference
- Follow all warnings and cautions marked on the product and contained herein.
- Do not expose this product to water or rain.
- Operate equipment only with the correct electrical power specified on the back of the case.
- Do not attempt to service this product yourself as opening or removing the enclosure may expose you to dangerous voltage or other hazards.
- Do not put foreign objects inside the equipment.
- Do not operate equipment with a damaged cord or plug, or if fans fail to rotate, the equipment malfunctions or if it has been dropped or damaged in any manner - return the equipment to A Tool Shed.
- Do not block air flow through equipment. Set equipment at least 6 inches from walls or any structure that could block the air intake.
- Do not use equipment in a flammable or explosive atmosphere.
- Do not run cord under carpeting. Do not cover cord with throw rug, runner, or similar coverings. Do not route cord under furniture or appliances. Arrange cord away from traffic area and where it will not be tripped over.

 WARNING: Electrical cords, cables, product cords, and wire assemblies made with PVC can expose you to chemicals including DEHP, which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information, go to www.P65warnings.ca.gov

If the person receiving this handout will not be the user of the equipment, forward these instructions to the operator. If there is any doubt as to the operation or safety of the equipment, **DO NOT USE!! CALL A TOOL SHED IMMEDIATELY!!! FAILURE TO FOLLOW THESE INSTRUCTIONS COULD RESULT IN INJURY OR DEATH**

Theory of Operation

UV Rays in the 365 to 385 nanometer wavelength, which are safe to look at and let shine on your skin, are emitted from Titan#2000's TiO₂ Photo-catalytic Lamp and shine on the two Nano TiO₂ Coated Super Reactor Screens. As a result, electron hole pairs are formed that react with H₂O and O₂ in the air and produce free electrons and hydroxyl radicals that when dispersed by the fan will decompose organic and inorganic gases and air pollutant into carbon dioxide and water.

Titan#2000 will produce larger amounts of purifying agents when used in high humidity situations.

Titan#2000 is safe to use at any time with or without people or animals in the treatment area.

Operational Tip:

Note: Because 60%+ humidity is required for optimum performance, set the 4 gallon bucket (full of water) directly behind the Titan#2000. Being sure that the airflow indicating arrow is pointing towards the Titan#2000. It is not necessary to raise the humidity of the entire building, or room, just the air passing through the machine by using the 4 gallon bucket.

REMOVE ODORS - KILL GERMS - CLEAN THE AIR

The 365nm to 385nm UVA rays emitted from Titan's TiO₂ photocatalytic lamps pass through two permanent anatase TiO₂ coated super reactor screens which are designed to hold the maximum amount of highly reactive nano sized anatase titanium dioxide, and as a result, electron hole pairs are formed that react with H₂O and O₂ in the air and produce free electrons, hydroxyl radicals, and ionized hydro-peroxides that when dispersed by the fan will decompose organic & inorganic gases & air pollutants into carbon dioxide & water.

Essentially, organic and inorganic gases, air pollutants, and odors are attacked at the molecular level by free electrons and hydroxyl radicals, which convert them into carbon dioxide and water

THE LARGEST ADVANTAGE TO USING THE TITAN#2000 AIR PURIFICATION & DEODORIZATION SYSTEM IS THAT IT PRODUCES NO OZONE AND IS 100% SAFE TO RUN AROUND PEOPLE AND PETS.

It is ideal for Fire and Flood Damage Restoration, and in Doctor's Waiting Areas, in Nursing Homes, Day Care Centers, Restaurants, Night Clubs, Beauty Parlors, in Rest Rooms, Etc... Etc... They can all benefit from the odor and germ destroying properties of the Titan#2000's TiO₂ Photo-catalytic process - which will clean the air, remove odors and eliminate poisonous gases and organic pollutants.