



# CIMR TECH WM1500 Portable Stand Alone System Instruction Manual

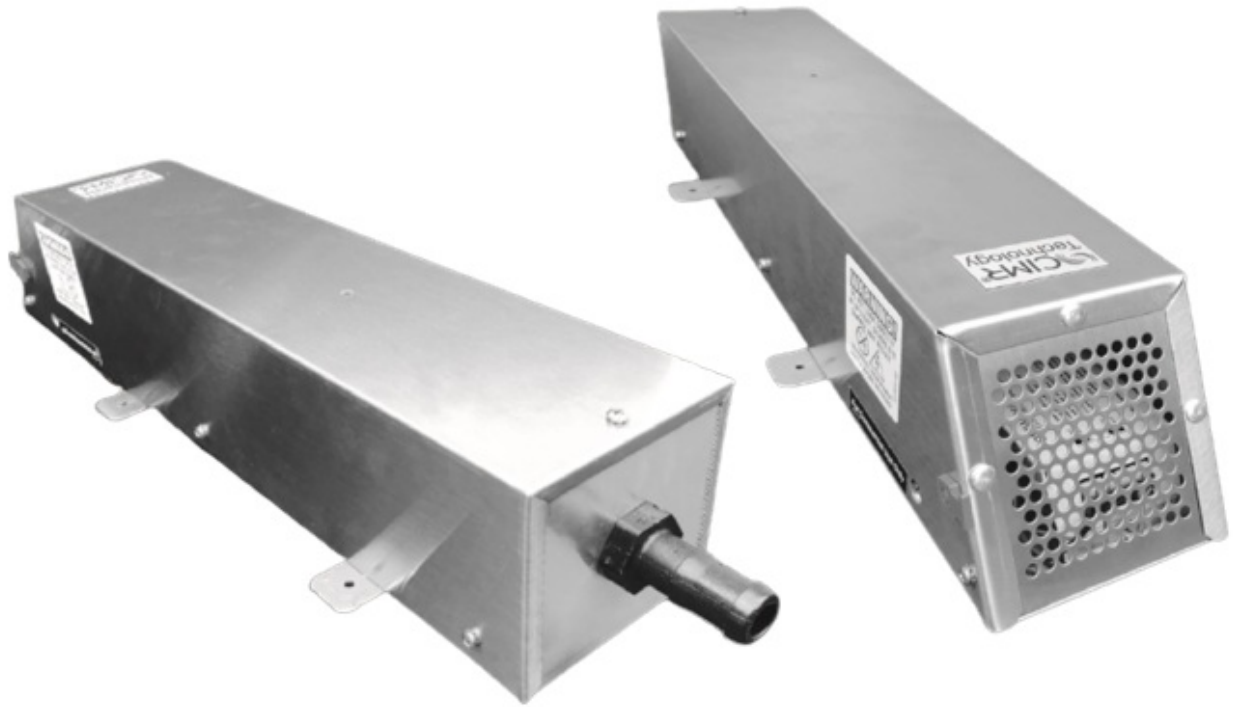
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**CIMR TECH WM1500 Portable Stand Alone System**



## Product Information

The product is a solution that contains hydrogen peroxide ( $2H_2O_2$ ) which breaks down into water ( $2H_2O$ ) and oxygen ( $O_2$ ). It is commonly used in labs and is available in different types for various facilities and applications. The unit is designed with safety precautions and features to ensure optimal performance and warning indicators for any potential hazards.

### *Unit Features*

- **Dimensions:** 16 L x 4 W x 4 H inches / 40.64 L x 10.16 W x 10.16 H cm
- **Boxed Dimensions:** 21 x 13 x 7 inches / 53.34 x 33.02 x 17.78 cm
- **Weight:** 10 lbs./4.54 kg

## Product Specifications

- Electrical
- Mechanical
- Power usage
- Coverage

## Product Usage Instructions

The product is used as a solution in various labs and facilities for different applications. It is important to note that the user is responsible for their own analysis and testing to ensure the final selection of the appropriate system type that assures all performance, safety, and warning features.

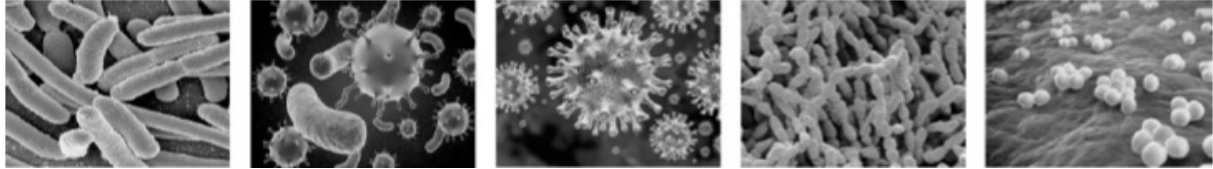
## Product Safety Precautions

It is important to follow the safety precautions provided in the manual to avoid any potential hazards.

## WARNING

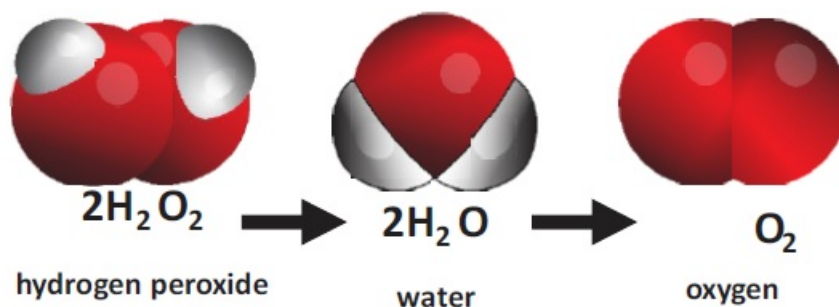
Do not use the product without proper analysis and testing to ensure the appropriate system type is selected for optimal performance, safety, and warning features. Please note that the product is designed for electrical and mechanical usage. The power usage and coverage may vary based on the specific application.

## HOW CAN...



- People safely occupy shared indoor air spaces?
- Indoor air and surfaces be sanitized effectively to ensure a healthy environment?
- We combat and eliminate the transmission and spreading of pathogens (viruses, bacteria, fungi, and molds).
- We be protected from future variations and mutations 24/7/365.

## CIMR®'S CAPABILITIES



- CIMR®'s Air Infusion Technology is designed specifically to kill airborne and surface pathogens.
- CIMR® is an ultra-low level, safe and effective Hydrogen Peroxide-based air and surface disinfectant system that produces zero ozone.
- Hydrogen Peroxide (water and oxygen) actively targets and deactivates both aerosolized and surface pathogens in enclosed spaces.
- CIMR® produces 0.02 ppm (parts per million) of Hydrogen Peroxide at 1/50th of OSHA (Occupational Safety and Health and Administration) limits.
- CIMR® continuously purifies the air much faster than other systems and chemicals.
- CIMR® is military-grade technology and scientifically proven through numerous independent tests.
- CIMR® eliminates up to 99.9% pathogens.
- Similar levels of Hydrogen Peroxide are present in the outside air.

## CIMR®'S CREDENTIALS



**US Army Corps  
of Engineers®**

- CIMR® was developed in 2004 by Alton Holt while working with the US Army Corps of Engineers, US Army and US Navy.
- CIMR®-TECH, a division of HI-TECH, is the only designer, developer, and supplier of CIMR® Technology, equipment and programs.
- HI-TECH provides customized engineering design systems and services based on decades of experience, independent testing and scientific reviews.
- Hundreds of military facilities have been and are using CIMR® with thousands of units installed worldwide.
- CIMR® was tested, in accordance with national and international standards as required by regulatory authorities.
- CIMR® is registered, and verified by accredited, and independent authorities, and scientific labs.

## **CIMR®'S COMPLIANCE**



- CIMR® was independently tested, is safe and has no adverse effects on metal, wood, fabric, and electronic equipment.
- CIMR® is FDA (Food Drug Administration) compliant.
- CIMR® carries the CARB (California Air Resources Board) certifying ZERO ozone emissions.



- CIMR® meets and exceeds EPA (Environmental Protection Agency), OSHA (Occupational Safety and Health Administration), CDC (Center for Disease Control) and the WHO (World Health Organization) Regulations in Air and Surface Disinfection standards.
- CIMR® technology and equipment has achieved various certifications, registrations, compliance seals, and stamps of approval.

## **CIMR®'S CUSTOMERS**

- The United States Military, US Army Corps of Engineers, FEMA (Federal Emergency Management Agency),
- State and County facilities, United State Department of Homeland Security, and National Historical Society.
- Universities, schools and colleges such as Lamar University, Beaumont, Texas, Texas Educational Systems and Houston Baptist University.
- Hospitals, clinics, doctor's offices and senior care homes.
- Entertainment venues, corporate offices, oil and gas drilling, hotel and leisure facilities.

- Shelters, food production and processing facilities, places of worship, churches and homes.

## **DESCRIPTION AND TYPE**

- The CIMR® WM 1500 is designed for industrial and commercial use
- This CIMR® unit provides air and surface sanitization for cold applications, like ice machines, walk-in coolers, basements, laundry spaces, train cars, and crawl spaces.
- Reduces bacteria, mold, and pollutants in smaller, damp spaces especially where food is stored or processed.
- Stand-alone CIMR® unit with fan system for effective air circulation.
- Can be mounted against the wall, fridge and/or vehicle panel.
- Requires custom installation.

## **FACILITIES AND APPLICATION**

- Window HVAC systems.
- Commercial refrigerated cold trucks.
- Buses, vans, and train cars.
- Cold storage facilities, cool rooms and walk-in coolers.
- Industrial fridges and window AC units.
- Ice machines and laundries.

## **SAFETY PRECAUTIONS**

- DO NOT attempt to operate the CIMR® WM 1500 without first reading and understanding all information provided in this manual.
- All safety precautions must be followed, along with common sense.
- The manufacturer will not be held liable for the consequences of any actions by the purchaser and/or applicator while using or applying the system.
- Manufacture's liability is limited to the operation of this equipment as per the Limited Warranty.
- The Purchaser assumes all responsibility for any damages, which results from operation or negligence.
- Due to the variety of operational conditions and applications for these systems, the user, through his or her own analysis and testing, is solely responsible for making the final selection as to the type of system and assuring that all performance, safety and warning requirements of the app
- DO NOT look directly into the CIMR® unit or directly at the blue ultraviolet (UV) light as this may cause permanent eye damage, or burns to your eyes or skin.
- DO NOT use in an overheated (over 135° F/57° C) or an explosive atmosphere.
- Always use a GFI protected outlet in damp or wet locations.
- DO NOT breathe or inhale hydrogen peroxide gas for prolonged periods of time.
- DO NOT operate the CIMR® unit until thoroughly familiar with this Operations Manual.
- DO NOT look into or at the blue ultraviolet light.
- DO NOT use in an overheated or explosive atmosphere.

## **UNIT FEATURES**

- The CIMR® unit produces oxidation gases (oxidizers ) powerful enough to kill viruses, bacteria, fungi and molds.
- Comes with electrical wiring for hard wiring and a connector plug for outlet connection.
- Power cord and transformer.
- Military grade stainless steel.
- Flexible hose.
- The CIMR® unit is designed to run 24-hours per day.
- Low maintenance.

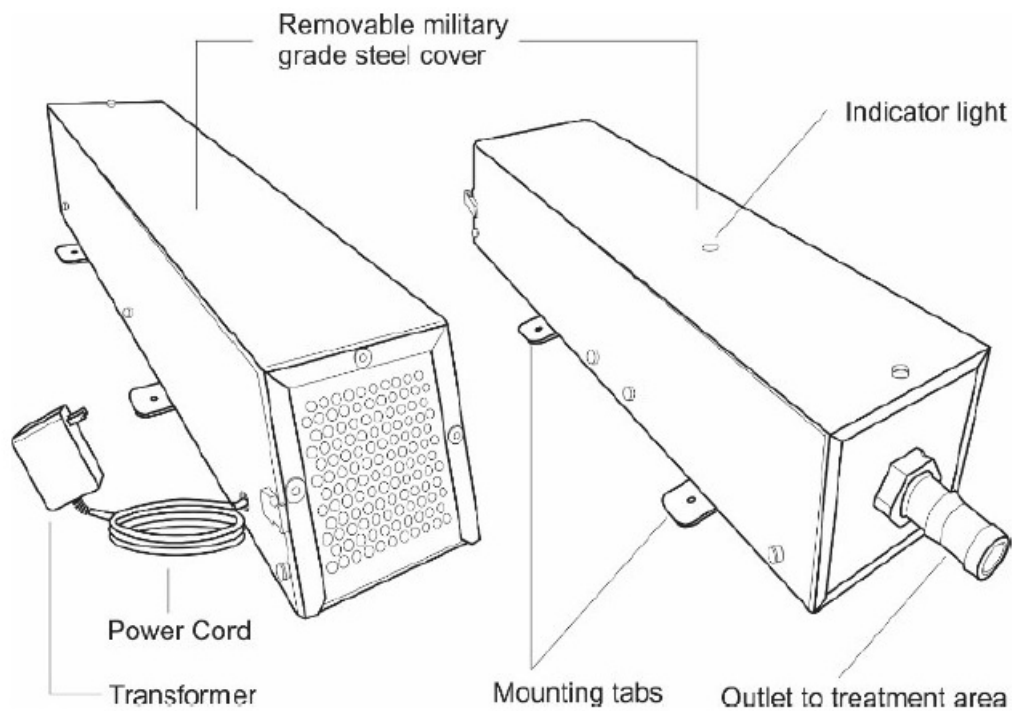
## DIMENSIONS

- **Unit:** 16 L x 4 W x 4 H inches
  - 40.64 L x 10.16 W x 10.16 H cm
- **Boxed:** 21 x 13 x 7 inches
  - 53.34 x 33.02 x 17.78 cm
- **Weight:** 10 lbs./4.54 kg

## SPECIFICATIONS

- **Electrical:** 110 – 240 V AC
  - 50/60 Hz
  - 0.08 Amps
  - 12 V DC
  - 2000 MA
- **Mechanical:** 1 x Fan
  - 1 x 9 inch/22.86cm CIMR® Cell
  - 1 x UV light
- **Power usage:** <60 Watts
- **Coverage:** 320 square foot and up/97.54 square meters
- **Please note:** Square foot/meters capacity and sizing is based on 8 – 10 foot/2.44m – 3.05 meters ceiling heights.

## Product Overview



## INSTALLATION INSTRUCTIONS

- The CIMR® WM 1500 should be protected from extreme temperatures to ensure longer equipment life.
- The CIMR® unit will operate best in dry, cool environments.
- The CIMR® unit is designed to run on standard 110 volts 60 hertz.
- In accordance with the specifications of the National Electrical Code and for safety measures, a three-prong grounding plug is standard to the equipment.
- Do not, under any circumstances cut, remove, or replace the electrical cord. We recommend a GFI outlet.
- Determine a suitable location to mount the CIMR® unit and plug transformer into a standard electrical outlet.
- Use appropriate fasteners to securely mount the CIMR® unit to wall near ice machine.
- Connect the provided  $\frac{3}{4}$  inch/ 1.9 centimeters flexible hose to the ice machine the CIMR® unit outlets.
- Drilling a hole into the ice machine is required.
- Be sure that there are no wires or plumbing on other side of drill area.
- We recommend taping a plastic bag to the inside of the ice machine in the area of the penetrations to catch any metal or plastic particles.
- One penetration should go into the ice bin as high as possible and the other as close to the area of ice production as possible.
- After installation is complete we recommend the ice bin is emptied and cleaned to insure no contaminants are present.
- Turn the CIMR® unit on.

## REPLACING THE CIMR® CELL

- It is suggested the CIMR® cell be replaced after 3 (three) years of service to maintain peak performance.
- To replace the CIMR® cell remove the three (3) screws on each side of the CIMR® unit and one (1) screw on the front bottom of the CIMR® unit.
- Remove the cover.
- Firmly grasp chassis of unit and remove CIMR® cell from clips.

- Remove plug from CIMR® cell and replace with new CIMR® cell.
- Replace cover and screws.

## TROUBLESHOOTING

Symptom	Probable Cause	Solution
Machine not operating	Plug in receptacle “House” Power fuse or circuit breaker tripped	Re-insert plug. Replace “House” fuse or reset

		circuit breaker.
Low or no gas output	Loose electrical connection. Fan motor not running.  Broken or inoperative CIMR® Cell. Blocked air passage.	Loose electrical connection. Fan motor not running.  Broken or inoperative CIMR® Cell.  Blocked air passage.

## WARRANTY

- This warranty supersedes and replaces any warranty statements made orally by the Sales Person, Distributor, or Dealer, or contained within instructions, or other Brochures, or informational documents in relation to this product.
- The Manufacturer warrants the new CIMR® WM 1500 equipment to be free from defects in material and workmanship under the normal use and service when operated and maintained in strict accordance with the manufacturer’s instructions, for a period of one (1) year from the date of receipt of equipment.
- This Warranty is void if sealed CIMR® WM 1500 is opened or tampered with.
- The Manufacturer’s obligation under this warranty is limited to repairing or replacing any part found to its satisfaction to be so defective.
- This warranty does not cover parts damaged by action, humidity, moisture, or wear caused by abrasive materials, nor does it cover any damage resulting from misuse, abuse, accident, neglect, or any use other than its intended use, or from improper operation, maintenance, installation, modification, or adjustments.
- This warranty does not cover parts or equipment used with the CIMR® WM 1500 that are not made by Manufacturer.
- These items are covered by warranties of the respective manufacturer.
- The Manufacturer will process the claim and install the part.
- The Manufacturer assumes no liability for any harm which might occur as a result from the use of this equipment, and shall not be liable for consequential or any other damages, whether or not caused by the manufacturer’s negligence, or resulting from any express or implied warranty or breach thereof.
- Consequential damages for the purpose of this warranty shall include, but not be limited to, loss of use, income or profit, loss of or damages to property, injury or death to persons or animals occasioned by or arising out of operation, use, installation, repair, or replacement of the equipment or otherwise.
- While this warranty gives you specific legal rights, you may also have other rights, which vary from state to



state.

- There are no warranties which extend beyond the description on the face hereof
- To obtain warranty service or return authorization number, contact Hi-Tech ship the part at your cost, along with a copy of bill of sale, invoice, or receipt of purchase, with an explanation of the problem or defect to: Hi-Tech Air Purification Systems/CIMR® Technology 105 Magnolia Trail Silsbee, TX 77656 Read thoroughly and understand all Operating Instructions, Warnings and Precautions before commencing application.
- Vacate the area to be treated of all persons and animals. Inspect and clean the washable filter on a regular basis. Place the CIMR® unit in a dry area when possible.

## Contacts


- **Warranty issued by:** CIMR-TECH
- A division of HI-TECH Air & Water Purification, LLC.
- Lamar University-CICE
- 5091 Rolfe Christopher, Suite 213 Beaumont, TX 77705
- [info@cimrtech.com](mailto:info@cimrtech.com)
- (866) 231-3687 Option #2

CIMR® is the solution.

CIMR® protects lives, businesses and economies.

CIMR® is the way forward!

## Documents / Resources

	<p><a href="#">CIMR TECH WM1500 Portable Stand Alone System</a> [pdf] Instruction Manual WM1500, WM1500 Portable Stand Alone System, Portable Stand Alone System, Stand Alone System</p>
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