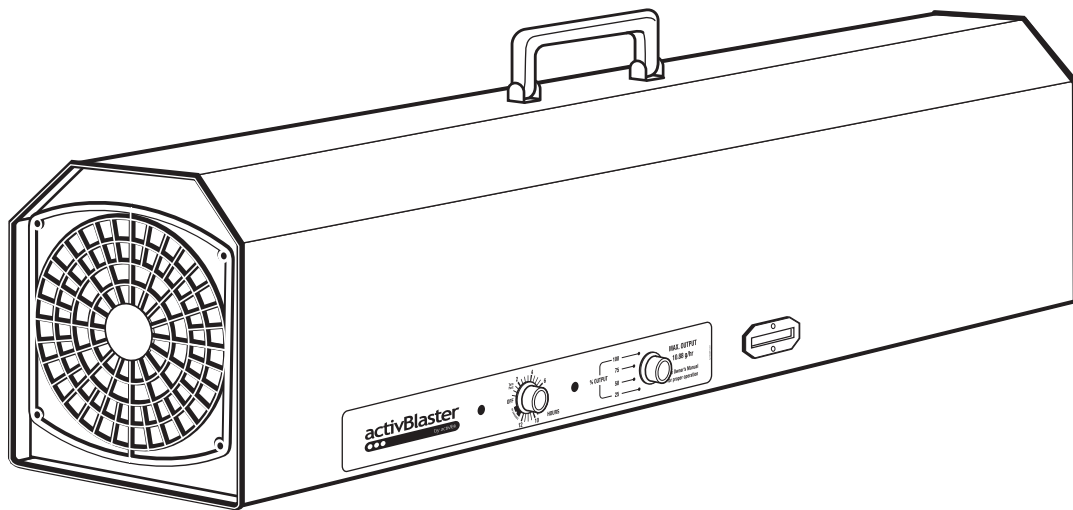


# activBlaster

by activTek



Heavy Duty O<sup>3</sup> Oxidation Generator

READ MANUAL CAREFULLY FOR PROPER USE AND OPTIMAL OPERATION.

# GENERAL INFORMATION

## PRODUCT OVERVIEW

Congratulations on your purchase of the activTek activBlaster System. The activBlaster is designed for use in unoccupied spaces and is a full self contained, portable, lightweight powerful O<sub>3</sub> generator built for remediation and maintenance where smoke and other heavy odors are persistent or need to be controlled. We are confident this system will provide you with years of fresh, clean, and odor-free air!

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## FILL IN AND SAVE

Record information regarding your new activTek activBlaster.  
Retain for future reference.

Model No. \_\_\_\_\_

Serial No. \_\_\_\_\_

Date of Purchase \_\_\_\_\_

Independent Distributor/Contractor:

Name \_\_\_\_\_

Phone No. \_\_\_\_\_

Address \_\_\_\_\_

## SPECIFICATIONS

### activTek activBlaster

- Sales Number: activBlaster
- Model Number: US40657B

### Electrical:

- 120VAC, 2.5 Amp, 50/60 Hz
- 250 watts

### Mechanical:

- 90 CFM fan
- 12 hour timer with hold function & hour meter

### Weight & Dimensions:

- 22 lbs (10 kg)
- 11.5" H x 9" W x 40" L  
(29.2 cm x 22.9 cm x 101.6 cm)

### O<sub>3</sub> Output:

- **Four options**
  - 1-bulb — 473 mg/hr
  - 2-bulbs — 1,123 mg/hr
  - 3-bulbs — 1,733 mg/hr
  - 4-bulbs — 2,404 mg/hr

### Operating Temperature:

- 34°F - 200°F (1°C - 93°C)

### Coverage:

- 5,000 sq. ft. - 10,000 sq. ft.

### Warranty:

- Limited 5 Year Warranty

We reserve the right to change or modify any specification without notice.

## STORAGE AND DISPOSAL

Do not dispose of this product as household waste. Electrical waste and electronic products should be appropriately recycled as required by practices established by your local authority.



IF YOU HAVE ANY QUESTIONS REGARDING THE USE OF THIS PRODUCT,  
PLEASE CONTACT CUSTOMER SERVICE AT 866.736.0503

# IMPORTANT SAFETY INSTRUCTIONS



WARNING

- Ozone is considered a toxic and hazardous substance by the federal government, specifically OSHA (Occupational Safety and Health Act) (29 usc 655, 657); it is a powerful oxidizer which destroys organic substances; all safety precautions herein must be adhered to and common sense must be used
- **DO NOT** attempt to operate the activblaster system without first reading and understanding all information as provided by the manufacturer herein
- Some physical symptoms of prolonged or excessive ozone exposure may result in: burning, watery, or irritated eyes, nose, and throat; nausea; headache; difficulty breathing; dry cough; irritation to nasal passages, throat, bronchial, and pulmonary membranes; should this occur, see a physician immediately; persons suffering from chronic breathing problems are known to be sensitive to ozone
- UV light source; disconnect power before using

Read this manual in its entirety before using your activTek activBlaster.

Keep out of the reach of children.

- **DO NOT** under any circumstance cut, remove, or replace the third prong from the electrical cord. If in the event a three-prong receptacle cannot be located in the area to be treated, a temporary connection may be made (where local codes permit) utilizing P&S #1919 Adapter or equivalent. The adapter provides a means for plugging in the three-prong cord into a two-prong receptacle. When used around dampness or water, use a GFI outlet.
- **Vacate the area of persons, animals, and rubber plants before starting the system.** The amount of ozone that is produced by activBlaster is much higher than the maximum permissible OSHA standard for ozone concentration in an inhabited, enclosed area (.1 ppm). Therefore, no person or animal should remain in or enter the treated area until the area is vented properly for the recommended time period, and the level of ozone has depleted down to the acceptable level (.1 ppm).
- **DO NOT** breathe or inhale the ozone gas.
- A “**Caution Do Not Enter**” sign should be placed on all entrances/exits to the treated area at all times during and after the treatment until such time as the ozone level is .1 ppm, safe for re-entry.
- **DO NOT** breathe the ozone. The applicator should wear appropriate respiratory (breathing) mask when entering a treated area afterwards. If it is absolutely necessary to re-enter the treated area, you should wear a respiratory breathing mask and turn off the system.
- **Vent area before re-entering.** The area may smell of ozone when you re-enter (ozone smells like air immediately after a thunderstorm). If the ozone level measures more than the 0.1 ppm concentration, the area should be vented longer until the level is reduced.
- **DO NOT** disassemble the activBlaster unit to service, or look directly inside at the ultraviolet light while it is operating.
- **DO NOT** use in an overheated (over 120°F) or explosive atmosphere.

## TREATMENT PHILOSOPHY

These units are intended to be used to treat unoccupied areas only with high doses of ozone for sufficient sterilization and odor removal.

### AIR TREATMENT FORMULA

- Square feet of the “treated” area X height of room = yields cubic feet of volume. ( $l \times w \times h = ft^3$ )
- Cubic Feet/CFM of activBlaster = minutes required to turn air in the room once.
- It is generally recommended that the room air be turned over, cycled through purifier, a minimum of three times.
- The amount of time necessary to treat an area with ozone depends on the temperature, humidity level, and the amount of reactive substances prevalent at the scene.

SAVE THESE INSTRUCTIONS

# OPERATING PROCEDURES



WARNING

UV light source. Disconnect power before using.



CAUTION

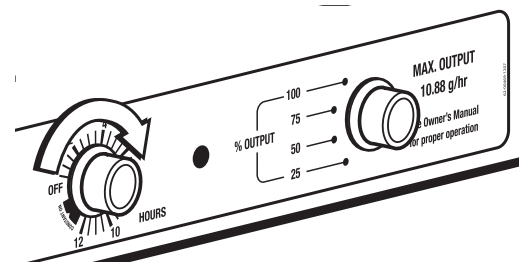
Prior to operating this unit, consult warning section of this user's manual.

- Always wear proper safety equipment!
- In the area to be treated, determine a suitable, centrally located, dry location to place the unit and plug in.
- Turn off smoke/fire alarm systems in building or residence, if system is known to be sensitive to ozone gas.
- Clean or vacuum the air intake screens on ventilation systems in areas with high concentrations of smoke or airborne dust when treating air conditioning duct system.
- Turn the air conditioning fan to “On” (if applicable) for continuous cool airflow throughout building, unit, or house.
- Make sure the area being treated is sealed shut to re-circulate the ozone and prevent the ozone from escaping.
- Vacate the area of all persons, animals, and rubber products or rubber plants (see activBlaster Warnings).
- Place “DO NOT ENTER” caution signs on all entrances/exits to treated area.
- Place respiratory breathing mask on.
- Turn “On” the unit by setting the clock timer for the predetermined time treatment period and adjusting to the appropriate output percentage.
- Exit area immediately.

## TIMER OPERATION

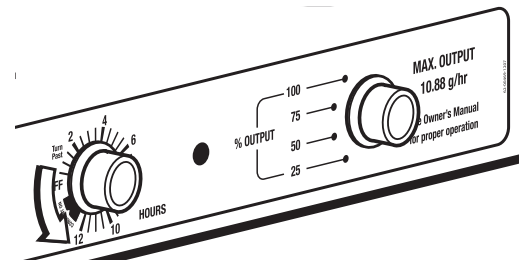
### FOR TIMED OPERATION

1. Turn “On” the unit by turning the timer knob **CLOCKWISE** to set the clock timer for the predetermined treatment period.
2. Adjust the % **OUTPUT** control to the appropriate output percentage.



### FOR CONTINUOUS OPERATION

1. Set the unit for continuous operation by turning the timer knob **COUNTER-CLOCKWISE** from the **OFF** position. The knob pointer should point to the **CONSTANT ON** position.
2. Adjust the % **OUTPUT** control to the appropriate output percentage.



**NOTE:** Attempting to force the timer control to **CONSTANT ON** by turning the timer knob clockwise (past the 12 hour mark) will cause damage to your unit.

# POST TREATMENT PROCEDURES

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- When time period is expired, you should re-enter only with breathing mask in place to vent out the area. If feasible, open windows and doors to vent area.
- Re-test the area after the pre-calculated venting time period to check whether the ozone level is safe to breathe without breathing apparatus.

## ELECTRICAL CONSIDERATIONS

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The activBlaster unit is designed to use a normal household voltage of 120V. In accordance with the specifications of the National Electrical Code and for safety measures, a three-prong grounding plug is standard to the equipment. This three-prong plug mates with a standard three-prong ground wall receptacle.

## ALL ABOUT OZONE

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### FREQUENTLY ASKED QUESTIONS WITH PRACTICAL ANSWERS

**Why does ozone eliminate odors?**

The third oxygen atom is loosely attached and easily separates from the ozone molecule to combine with other substances, thereby oxidizing the odor causing substances.

**Just what do you mean by oxidation? Give an example.**

Inside the body, food molecules combine with O<sub>2</sub> to form CO<sub>2</sub>, and H<sub>2</sub>O and energy or heat. Oxidation means a substance undergoes a chemical change resulting in a different substance. Rust and fire are examples of oxidation.

**Is ozone like radiation?**

No, ozone emits no penetrating rays.

**What happens to ozone after it serves its purpose?**

Ozone's additional oxygen atom, when combined with other substances, undergoes a chemical change and reverts back to ordinary oxygen.

**How is ozone formed by nature?**

Trees emit hydrocarbons, which are byproducts of photosynthesis. Together with sunlight they produce ozone. Also, the electric discharge of lightning will produce ozone. This is why the air always smells so fresh after a thunderstorm.

**What is the optimum operating temperature for an area to be treated?**

70° F/21°C to 80°F/26.6°C.

**Should I leave on a fan or air conditioning?**

Yes. Utilizing the air conditioner, ceiling fans, floor fans, blowers, etc., to ensure that the ozone is dispersed throughout the room, greatly improves the activBlaster's effectiveness. This air movement helps to ensure the ozone will come into contact with the odor. This same additional air movement in the room after the activBlaster turns off will help the ozone to decompose more rapidly making the room occupiable sooner. In many cases, ventilating a room is not an option.

# TROUBLESHOOTING GUIDE

## MACHINE NOT OPERATING

Probable Cause	Solution
Plug not in receptacle	Re-insert plug
“House” power fuse or circuit breaker tripped	Replace “house” power fuse or reset “house” circuit breaker
Blown fuse	Replace fuse. If new fuse fails, contact activTek Commercial Support

## LOW OR NO OZONE OUTPUT

Probable Cause	Solution
Loose cord connection	Ensure plug is fully inserted
No air movement	Contact activTek Commercial Support
Air blowing but no ozone	Contact activTek Commercial Support
Broken UV bulb	Contact activTek Commercial Support
Blocked air passage	Remove any obstruction
Broken On/Off switch	Contact activTek Commercial Support

# TYPICAL ODOR CONTROL DOSAGES

INDUSTRY	ODOR	APPLICATION	DOSE	RETENTION TIME
Smoke Fire Damage	Smoke	Direct Contact	0.5 to 1.5 ppm	N/A
Sewer Lift Station	Hydrogen Sulfide	Exhaust Gas Contact	1.0 to 2.0 ppm	N/A
Food Processing	Fermentation Odors	Building Exhaust	1.0 to 2.0 ppm	60 seconds
Cooking (Residential)	Cooking Odors (food)	Kitchen Exhaust Fan System	1.0 to 2.0 ppm	N/A
Rubber Plant	Processing Odors	Exit of a Cyclone Collector	2.0 to 4.0 ppm	N/A
Fishery	Wet Scrubber Exhaust	Recovery Furnace Exhaust	5.0 to 10.0 ppm	N/A
Pulp Mill	Hydrogen Sulfide, Sulfur Dioxide	Exhaust Gas Contact	60.0 to 80.0 ppm	N/A
Compost/Waste	Ammonia and Sulfur Compounds	Direct Bilge	2.0 to 5.0 ppm	45 seconds
Marine	Bilge, Diesel Fumes	Engine Room Contact	0.5 to 1.5 ppm	N/A
Rendering	Organic and Chemical	Building Exhaust	94.0 ppm	5 seconds
Organic	Ammonia and Sulfur	Building Exhaust	5.0 ppm	30 seconds

# REPLACEMENT PARTS & SERVICE



**WARNING**

Use only replacement parts recommended by manufacturer.

REPLACEMENT PARTS	PART NUMBER
Replacement UV HO Bulb	US71102

Manufacturer shall not be held liable for consequences of any actions by the purchaser and/or applicator while using or applying activBlaster.

Due to the variety of operational conditions and applications for these systems, the user through his/her own analysis and testing is solely responsible for making the final selection of the type of system and assuming that all performance, safety, and precaution requirements of the applications are met.

**IF YOU HAVE ANY QUESTIONS REGARDING THE USE OF THIS PRODUCT,  
PLEASE CONTACT CUSTOMER SERVICE AT 866.736.0503**



# WARRANTY INFORMATION

## Limited Five (5) Year Warranty

To register your activTek activBlaster unit, call Customer Service at 866.736.0503 or email [Support@ActivTek.net](mailto:Support@ActivTek.net).

### LIMITED 5 YEAR WARRANTY

Customer should not repackage and ship the activTek activBlaster unit due to possibility of irreparable damage. For warranty service, please contact activTek Customer Service by calling 866.736.0503.

### WHAT IS COVERED BY THIS WARRANTY

We warrant the activBlaster (excluding filters) to the original purchaser, subject to the conditions below, against defects in workmanship or material, provided that the products are returned to an authorized service location within five (5) years from the date of purchase.

Our products are authorized for sale through Independent Business Owners only. All warranties are void if a product is purchased through unauthorized channels. We will not extend warranty coverage on any product sold in a manner that violates our Internet advertising policies and guidelines. This includes websites that are not authorized to use our trademarked names, images and logos, as well as Internet auction sites. These websites would include eBay® and Craigslist®. If a valid serial number is missing from the product, the warranty will be voided. To confirm warranty coverage prior to purchasing a product, contact us at 800.989.2299 with the serial number located on the back of the unit.

### INSTALLATION AND MAINTENANCE REQUIREMENTS

This warranty is expressly conditioned upon the following installations and maintenance requirements: (i) the activBlaster must be installed in accordance with the Owner's Manual; (ii) all filters must be replaced at the intervals prescribed in the Owner's Manual (proof of filter change may be required); (iii) system must be cleaned annually with a citric acid cleaning kit; and (iv) the activBlaster must be used and maintained in accordance with the Owner's Manual. Failure to meet any of these requirements will void this warranty. Servicing of your activBlaster by parties other than our authorized representative and/or using parts other than genuine parts will also void this warranty.

### HOW TO OBTAIN WARRANTY SERVICE

Customer must contact the Company or their authorized Independent Business Owner and provide proof of purchase within the above time periods. We will repair or replace and return the product, without charge and within a reasonable period of time, subject to the conditions in the above paragraphs, if our examination of the product discloses any part to be defective in workmanship or material. If we, in our discretion, are unable to repair the product after a reasonable number of attempts, we will provide either a refund of the purchase price or a replacement unit, at our option.

### WHAT IS NOT COVERED BY THIS WARRANTY

This product is intended for household use only and only for use with municipal water systems. Ordinary wear and tear shall not be considered a defect in workmanship or material. These warranties do not apply to filters nor for loss or damage caused by accident, fire, abuse, misuse, improper installation, leaking, modification, misapplication, commercial use, or by any repairs other than those provided by our authorized service location. This warranty does not cover any water damage.

### EXCLUSION OF OTHER WARRANTIES & CONDITIONS

EXCEPT AS PROVIDED HEREIN, WE MAKE NO REPRESENTATION OR WARRANTY OF ANY KIND. ALL OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, ARE HEREBY EXPRESSLY DISCLAIMED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

### LIMITATION OF LIABILITY FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES

WE SHALL NOT IN ANY CASE BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF EXPRESSED OR IMPLIED WARRANTIES, CONDITIONS, GUARANTEES OR REPRESENTATIONS, BREACH OF CONTRACT, NEGLIGENCE OR ANY OTHER LEGAL THEORY. Such excluded damages include, but are not limited to, loss of profits or revenue, and loss of the use of the products, and any loss caused by leaks or other water damage.

### FOR U.S. APPLICATION ONLY

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow limitations on warranties, or on remedies for breach. In such states, the above limitations may not apply to you.

### FOR CANADIAN APPLICATION ONLY

Exclusion of Subsequent Owners: Except as otherwise required by applicable legislation, this warranty is not transferable. This warranty gives you specific legal rights and you may also have other rights which vary from province to province. Some provinces and territories do not allow limitations on warranties, or on remedies for breach. In such provinces or territories, the above limitations may not apply to you.

If any provision of this warranty or part thereof is held by a court of competent jurisdiction to be invalid, illegal, or unenforceable, the validity, legality and enforceability of the remaining provisions or parts thereof will not in any way be affected or impaired within the jurisdiction of that court. This entire warranty shall continue to be valid, legal, and enforceable in any jurisdiction where a similar determination has not been made.

This warranty is provided by:

ActivePure Manufacturing, LLC  
1300 Valley Drive  
Bristol, VA 24201

### SERVICE

Every effort is made to ensure customers receive an up-to-date instructions manual on the use of our products; however, from time to time, modifications to our products may without notice make the information contained herein subject to alteration. For the latest information, call Customer Service at 866.736.0503 or email at [Support@ActivTek.net](mailto:Support@ActivTek.net).

# FCC DECLARATION & RESPONSIBLE PARTY

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This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a **commercial environment**. This equipment may generate, use, or could radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at their own expense. If this equipment does cause harmful interference to radio or television, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the Distributor or an experienced radio/TV technician for help.

## FCC Declaration of Conformity

**Name:** activTek activBlaster

**Model:** US40657B

**Produced by:** ActivePure Manufacturing, LLC

This device complies with Part 15 of the FCC Rules.

## Responsible Party

ActivePure Manufacturing, LLC

1300 Valley Drive

Bristol, VA 24201

Ph: 866.736.0503

**Signature:** \_\_\_\_\_



**Printed Name:** Andrew Eide

**Title:** Vice President of Product Development and Manufacturing

**Date:** 04/06/23





For information regarding the use of this product, please call  
Customer Service at **866.736.0503** or email at **Support@ActivTek.net**.