

AIR TREATMENT SYSTEM

READ MANUAL CAREFULLY FOR PROPER USE AND OPTIMAL OPERATION.

GENERAL INFORMATION

PRODUCT OVERVIEW

Congratulations on your purchase of a MI 1500B Air Treatment System. Please read and follow all safety warnings and service procedures outlined in this manual. Use only genuine activTek replacement parts available from your activTek Distributor.

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FILL IN AND SAVE

Record information regarding your new activTek MI 1500B.
Retain for future reference.

Model No. _____

Serial No. _____

Date of Purchase _____

Independent Distributor/Contractor:

Name _____

Phone No. _____

Address _____

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.

SPECIFICATIONS

activTek MI 1500B

- Sales Number: US50110B
- Model Number: A1018E

Technology:

- Positive and negative ion level control steel chassis for industrial application
- Mass Ion Generation
- Dispersion

Electrical:

- 120 volt 60 Hz AC line operation or 220 volt 50/60 Hz AC line operation
- Power Consumption: 220 Watts¹
- Ion Generation: 26 kv DC

Mechanical:

- 3000 CFM adjustable free air delivery fan

Weight & Dimensions:

- 55 lbs (24.95 kg)
- 28" H x 26" W x 18" D
(71 cm x 66 cm x 46 cm)

Operating Temperature:

- 34°F to 200°F (1°C – 93°C)

Coverage¹:

- Up to 5,000 sq. ft.

Warranty:

- Limited 1 Year Warranty

***Based on nominal line voltage**

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

1. Assumes 8 foot ceilings. Solutions should be customized based upon a variety of factors including HVAC system capabilities and settings, air flows taking into account walls, air pressure, and doors, ambient air temperatures and humidities, variable density, known VOC concentrations, and other layers of protection.

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

IMPORTANT SAFETY INSTRUCTIONS



WARNING

- The MI 1500B can create a high level of static electricity in an unpolluted environment which may cause problems with static sensitive equipment, such as computers.
- **Service should only be performed by a qualified electrician.** Make sure the Power Switch is turned off and wiring is disconnected prior to handling.
- When using an electrical appliance, basic precautions should always be taken.



CAUTION

- To protect anyone passing under the MI 1500B, it should be mounted with the bottom at least 10 feet above the floor
- The ceiling height should be at least 15 feet for the most effective distribution of ions
- Mounting too close to the ceiling may reduce effectiveness

Read this manual in its entirety before using your MI 1500B.

Keep out of the reach of children.

- **NEVER** locate air cleaner where it may fall into a bathtub or other water container; to protect against electrical hazards
- **DO NOT** immerse in water or other liquids
- **DO NOT** touch the control panel or plug with a wet hand
- **DO NOT** run cord under carpeting; **DO NOT** cover cord with throw rugs, runners, or similar coverings; arrange cord away from traffic area and where it will not be tripped over
- **DO NOT** insert or allow foreign objects to enter any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the air cleaner
- To prevent a possible fire, **DO NOT** block the air intakes or exhaust in any manner; **DO NOT** use on soft surfaces, like a bed, where openings may become blocked
- To avoid fire or shock hazard, plug the unit directly into an electrical outlet
- To disconnect air cleaner, turn controls to **OFF**, then remove plug from outlet; pull firmly on the plug, **DO NOT** unplug by pulling on the cord
- Always unplug the unit before moving or cleaning, or whenever the air cleaner is not in use
- **DO NOT** use outdoors or on wet surfaces
- **DO NOT** attempt to repair or adjust any electrical or mechanical functions on this unit, doing so will void your warranty
- Connect to properly grounded outlets only
- To reduce the risk of electrical shock, do not change the plug in any way; do not use adapters

SAVE THESE INSTRUCTIONS

PRINCIPLES OF OPERATION

Nature cleanses the air with lightning and rain. Lightning bolts produce positive and negative ions which cleanse the air naturally. Rain helps bring ions close to the earth's surface. They are then attracted to atmospheric contaminants and either removed from the air or attached to grounded objects.

The MI 1500B produces billions of negative ions which function in the following manner: airborne particulate, contaminants, and pollution are electrically charged, precipitated together, and then adhere to a grounded surface or are made heavy enough to be influenced by gravity.

FEATURES

- 120-220 volt operation
- Low electrical consumption
- No residual contamination
- No chemicals
- Very low maintenance
- Complete user control

INSTALLATION AND INSPECTION



WARNING

When using an electrical appliance, basic precautions should always be taken.



CAUTION

- To protect anyone passing under the MI 1500B, it should be mounted with the bottom at least 10 feet above the floor
- The ceiling height should be at least 15 feet for the most effective distribution of ions
- Mounting too close to the ceiling may reduce effectiveness

The MI 1500B comes with a standard, three prong 120 VAC 60 Hz plug. In most industrial applications, it is advisable to mount the unit from the ceiling.

The MI 1500B comes with four, 1/4 - 20 tapped holes in the top of the frame for suspension mounting, or it can be mounted on a TV stand rated at a 75 pound load.

1. Remove unit from shipping carton
2. Remove all protective materials
3. Check for shipping damage or loose/broken parts
4. Plug the unit into an electrical outlet and adjust controls according to the application (See Placing the Unit, below and Adjust/Setting Controls, page 6).

PLACING THE UNIT

Elevate the unit as high as possible to insure complete purification. Some pollutants such as smoke rise and the unit, when elevated, can more effectively eliminate the pollutant.

The MI 1500B is most effective when placed in a position that allows the ions to be spread evenly and thoroughly mixed with the polluted air. Suggested location, listed in the order of preference:

1. In or near the air stream or current within the room that will
2. Best disperse the ions
3. Nearest the source of worst pollution
4. In the area most heavily used to achieve maximum benefit

ADJUST/SETTING CONTROLS



WARNING

The MI 1500B can create a high level of static electricity in an unpolluted environment which may cause problems with static sensitive equipment, such as computers.

Ionizer Control

The adjustment and setting of the ionizer control for the MI 1500B ranges from full positive to full negative and is determined by application. The more particulate or pollutant in the air, the higher the settings need to be. The MI 1500B is capable of creating a static charge on objects. Locate a setting where the pollutants or particulates are eliminated and still have a non-static situation.

Fan Control

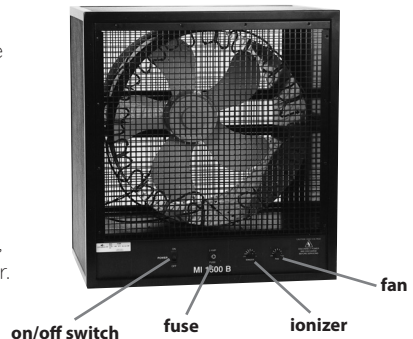
The fan speed is adjustable for the MI 1500B.

Static Control

Static is created by an electrical imbalance between positive and negative ions and can be biased positively or negatively. Establishment of the stronger polarity can be determined by a trial and error method; however, the majority of all static problems are positive in nature. This means that the best starting point for the ionizer setting is at the one o'clock position, which is a slightly negative position. If the static problem becomes worse, turn the control to the left in small increments until the problem has been resolved. If the static problems has been reduced, but not eliminated, turn the control to the right in small increments until the problem is resolved.

Smoke, Dust, and Particulate Removal

Airborne contaminates are best removed with the ionizer control set to the extreme right (full negative). Depending upon the nature and degree of the pollution, it may not be necessary to have the control at full power.



MAINTENANCE



WARNING

Service should only be performed by a qualified electrician. Make sure the Power Switch is turned off and wiring is disconnected prior to handling.

Ion Generator

The ion generator is maintenance free. Periodically check the ion discharge needles for corrosion. Replace them if necessary.

Fan

The fan requires no maintenance except on the rare occasion where it may be necessary to give it a gentle push the first time it is used. If the fan squeaks, a few drops of light weight oil may be needed on the fan shaft.

TROUBLESHOOTING

1. Is the unit plugged in?
2. Are you sure the outlet is active?
3. Is the unit off/on switch activated?
4. Check the fuse.

APPLICATIONS

- Smoke
- Agricultural Dust
- Airborne Bacteria
- Plastic Operations
- Saw Dust
- Dust
- Bars
- Bingo
- Animal Dander
- Feather Dust
- Printing Areas
- Paper Handling
- Many Others...

WARRANTY INFORMATION

Limited One (1) Year Warranty

To register your activTek MI 1500B unit, call Customer Service at 866.736.0503 or email at Support@ActivTek.net.

LIMITED 1 YEAR WARRANTY

Customer should not repackage and ship the MI 1500B unit due to possibility of irreparable damage. For warranty service, please contact your activTek Distributor for the address of the nearest service center or call Customer Service at 866-736-0503.

WHAT IS COVERED BY THIS WARRANTY

We warrant the MI 1500B to the Customer, subject to the conditions below, against defects in workmanship or material, provided that the products are returned to a service location within the following time periods:

- MI 1500B within one (1) year of date of purchase

INSTALLATION AND MAINTENANCE REQUIREMENTS

This warranty is expressly conditioned upon proper installation, operation, cleaning and maintenance, all in accordance with the this Manual. Failure to meet any of these requirements will void this warranty. Servicing of your MI 1500B by parties other than our authorized representatives and/or using parts other than genuine parts will also void this warranty.

HOW TO OBTAIN WARRANTY SERVICE

Customer must contact their activTek Distributor 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 herein, if its examination shall disclose 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 the company's option.

WHAT IS NOT COVERED BY THIS WARRANTY

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, or by any repairs other than those provided by our authorized Service Center. This warranty is non-transferable.

UNAUTHORIZED CHANNELS & MISSING SERIAL NUMBERS

If a valid serial number is missing from the product, the warranty will be voided. ActivTek products are authorized for sale through activTek Distributors only. Warranties are voided if a product is purchased through unauthorized channels; this includes websites that are not authorized to use activTek's trademarked names, images and logos as well as Internet auction sites (e.g. eBay and craigslist). The only approved Internet presence for activTek products is activTek.net. To confirm warranty coverage prior to purchasing a product, contact activTek at 866-736-0503 with the serial number located on the back of the unit.

EXCLUSION OF OTHER WARRANTIES AND 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.

FCC DECLARATION & RESPONSIBLE PARTY

This equipment has been tested and found to comply with the limits for a Class A commercial device, pursuant of Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. 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: MI 1500B

Model: A1018E

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**.