



installation | operation | specifications | features | maintenance

Please read and save these instructions For commercial use only



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WARNING! - Do not operate this unit without the rear lint screen AND back cover installed.

CAUTION! - The Away Mode feature of this unit is to be operated in unoccupied areas only.

CAUTION! - Disconnect power cord before servicing.

CAUTION! - Do not operate unit near heat sources, open flame, or combustible vapors or gases.

Please record the name and phone number of your activTek Distributor:

Name \_\_\_

Phone\_

Please record the serial number of your

AP3000 by activTek:

Serial #\_\_\_\_\_

# INTRODUCTION

Congratulations, you have purchased one of the most effective, technologically advanced air purifiers available. Your new AP3000 by activTek is designed to provide years of trouble-free, low maintenance operation. Be sure to read and follow all service procedures outlined in this owner's manual, and use only genuine activTek replacement parts available from your activTek Distributor.

If you have any questions concerning this, or any activTek product, contact your activTek Distributor.

# **SPECIFICATIONS**

### Electrical:

- 100 ~ 240 VAC 50/60 Hz External Power Supply
- 50 watts maximum power consumption
- Negative Ion Generation

#### Size:

- Dimensions: 12" high x 9" wide x 12" deep
- Weight: 16 pounds

# Purification Plate Output (High Mode):

• 0.05 ppm

#### Coverage:

- Covers a range of 250 ft<sup>2</sup> (23 m<sup>2</sup>) to 3000 ft<sup>2</sup> (279 m<sup>2</sup>)\*\*
- \*\* Depends on variables such as severity and frequency of pollution, humidity, and temperature

#### Warranty:

• Three (3) Year Limited Warranty See page 11 for specific details



# YOUR NEW AP3000 BY activTek

- Eliminates smoke, odors, and tobacco smoke
- Includes ActivePure (RCI) Technology
- High-intensity UV lamp
- Removes odors from a home, office, car, boat, RV, etc
- Improves the quality of air indoors, up to 3000 ft<sup>2</sup> (279 m<sup>2</sup>)
- Customizable to your environment, using the included remote
- Maintenance reminders alert you when normal maintenance needs to be performed or service is required

# **INSPECTION & INSTALLATION**

- 1. Remove protective packaging
- 2. Remove unit from shipping carton
- 3. Remove all protective materials
- 4. Check for shipping damage and loose or broken parts
- 5. Read owner's manual thoroughly prior to installation
- 6. Install batteries in remote
- 7. Determine placement location for the unit (See "Placement of Unit" on page 4)
- 8. Insert the power supply plug into the power receptacle on the rear of the unit. Plug the appropriate cord into the power supply and into a working electrical outlet
- 9. Using either the remote control or the Power button, turn the unit ON
- Exclusive ActivePure (RCI) Technology
- Needlepoint and RF Ion Generation
- Five Speed Fan (Remote Only)
- Reset (Manual Operation)
- Adjustable Purifier Control (High Mode Remote Only)
- LCD Display
- Away Mode Function w/Adjustable Digital Timer (Remote Only)
- Maintenance Reminders
- Washable Purification Plate
- Washable Rear Lint Screen
- Replaceable ActivePure (RCI) Cell
- Removable Front Grill

Power

Supply

• Universal Power Supply with Two (2) Cords

# UNIT FEATURES

# **OPERATION**

- Adjust the fan speed to your preference, keeping in mind that higher fan speeds will give better results.
- Using the Normal/High button, set the unit to NORMAL, for typical use, or HIGH, for increased smoke and odor control.
- 3. For HIGH MODE, using the PURIFIER UP and PURIFIER DOWN buttons on the remote control, adjust the purification level to its lowest setting (250ft<sup>2</sup> (23 m<sup>2</sup>)) for the first 24 hours of operation, then gradually adjust up (if needed) to the square footage (or square meters) of the indoor area.

If you are operating your central heating and air conditioning fan, or other ventilation system, continuously, set the coverage up to the total ventilated indoor area. Otherwise, set the coverage up to the size of the room. Do not exceed the size of the ventilated indoor area when setting the purifier level.



HIGH MODE: The unit's display shows the fan speed (low to high), the purifier setting (1 bar to 12 bars), and the purifier coverage in square feet, for U.S. models, and square meters, for international units.

# PLACEMENT OF UNIT



Place the unit as high as possible to ensure complete purification (On top of a bookshelf, high cabinet, etc.).

Suggested locations listed in the order of preference:

- 1. Nearest the source of the worst pollution.
- Near a cold-air return to thoroughly circulate the benefits of your AP3000 by activTek throughout the area.
- 3. In the area most heavily used to achieve maximum benefit.

# Note:

- The rear of the unit should always have at least one inch of open area to allow unrestricted airflow.
- Point the unit toward the center of the room for maximum dispersion of ions.
- To prevent injury, be sure the power cord is not accessible to small children.

4. To operate the AWAY MODE feature, in unoccupied areas only,\* press the Away Mode button on remote control until the desired time is reached (2, 4, 6, or 8 hours). The unit will display AWAY MODE and the remaining time. To interrupt the AWAY MODE, press the Normal/High button.

\*Please note: "unoccupied areas" includes pets. Some pets, like humans, may experience adverse reactions from exposure to increased levels of ozone and should not be present during AWAY MODE operation.



NORMAL MODE: The unit's display shows the fan speed (low to high) and NORMAL to indicate that the ActivePure (RCI) cell and ionization are both functioning normally.





AWAY MODE: The fan will show maximum, and AWAY MODE will replace the purifier setting. The amount of time remaining will depend on how long you have selected for the AWAY MODE function to operate. The colon (:) will flash to indicate time being counted down.



# SETTINGS AND ADJUSTMENTS

AP3000 by activTek can be turned on or off and adjusted using the included remote.

If you are operating your central heating and air conditioning fan or other ventilation system continuously, set the coverage up to the total ventilated indoor area. Otherwise, set the coverage up to the size of the room. Do not exceed the size of the ventilated indoor area when setting the purifier level.

#### Functions on Unit and Remote

- **D** Power (standby) Turns the unit ON and OFF.
- Reminder Reset (control panel only) Clears the maintenance reminders after performing routine maintenance.

#### Functions on Remote Only

#### 🗹 🕻 Away Mode

When the AP3000 is switched to the "Away Mode," the Corona Discharge Ozone Plate is operated at maximum output, which is 125% of the 3,000 square foot setting. This mode is to be used only in unoccupied spaces; all humans and pets should be removed from the area during operation and for one hour after treatment completes or until the ozone has sufficiently dissipated. For optimal results, use the "Away Mode" to treat individual rooms where the square footage is under 500 square feet, thereby allowing the ozone level to sufficiently rise to treat the area in the 2, 4, 6 or 8 hour programmed setting.

#### <sup>≈</sup><sup>⁰</sup> Normal Mode

When the AP3000 is operated in the "Normal Mode," ActivePure (RCI) Cell produces is a low level of Hydrogen Peroxide gas (H2O2) and Super Oxides (O2-), as well as positive and negative ionization which forms Hydroxyls. In "Normal Mode", Ozone Free models will not produce ozone, while Standard Cell models will produce very low levels.

#### <sup>≋⊍</sup> High Mode

When the AP3000 is switched to the "High Mode," the Corona Discharge Ozone Plate becomes operational, producing a low level of ozone based upon the area being treated in square feet. The AP3000 is designed to produce .03 to .045 parts per million (ppm) of ozone when the square footage setting is equal to the ventilated area.

- ➢ Purifier Up/Purifier Down (High Mode only) Works when unit is in High Mode to set the purifier level for the indoor area. The level is indicated by both a horizontal bar graph and square footage (U.S. models) or square meters (international models). The unit will switch to Normal Mode, if the PURIFIER DOWN button is pressed when the square footage is set to 250 ft<sup>2</sup> (23 m<sup>2</sup>).
- O Display FT2 / M2 (remote control only) Changes the purifier coverage shown on the LCD screen from square feet to square meters.

\*Please note: "unoccupied areas" includes pets. Some pets, like humans, may experience adverse reactions from exposure to increased levels of ozone and should not be present during Away Mode operation.





The LCD Screen is used to display all current settings (see page 4) as well as any maintenance reminders.



(normally blank - display will flash and reminders appear here when unit needs maintenance)

#### LCD SCREEN BACKLIGHT

As adjustments are being made, the LCD screen backlight will brighten and the settings on the screen will change. After 3 seconds without change, the backlight will return to normal.

If a maintenance reminder or a service reminder appears, the backlight will brighten and constantly flash until the Reminder Reset button is pressed or the service problem is corrected.

# MAINTENANCE REMINDERS



# REPLACE PLATE

The purifier plate is not functioning properly.

• Replace the old purifier plate with a new purifier plate (available from your local activTek Distributor)



# REPLACE RCI CELL

The ActivePure (RCI) cell is no longer working correctly.

- Replace the ActivePure (RCI) cell (replacement cells are available from your local activTek Distributor)
- Please Note: The ActivePure (RCI) cell should be replaced every year if used continuously, even if the unit does not display this message. Replace every two (2) years if used less than 12 hours a day



# PERFORM CLEANING

(approx. every 30 days)

- Clean the rear lint screen (see page 6).
- Vacuum the ActivePure (RCI) cell.
- Clean the purifier plate (see page 7).
- Vacuum front and rear grill openings.

## RESETTING THE REMINDERS

The only reminder you need to reset is the PERFORM CLEANING reminder (after performing maintenance, press the Reminder Reset button and the screen will momentarily light up, then return to its original mode). All the other service reminders will clear automatically once the unit has been turned off and back on and the problem has been corrected.

## **GENERAL MAINTENANCE**

# CAUTION: Unplug the unit before performing any maintenance procedures.

Periodic maintenance is required to ensure that your AP3000 by activTek operates properly. The unit will display a PERFORM CLEANING reminder when it's time

## GENERAL MAINTENANCE (CONT.)

to perform regular maintenance. If you are operating your unit in a severely polluted environment, cleaning of the unit, purifier plate, ActivePure (RCI) cell, and rear lint screen should be done more frequently. Shown here are basic procedures that should be carried out to keep your unit running at top performance.

For optimal performance, and to prevent damage not covered by your warranty, install the optional AP3000 purifier prefilter.

Failure to perform routine maintenance could adversely affect the proper function of the unit or cause it to fail prematurely.

NOTE: If a unit is returned for repair, and it is determined that neglect of the unit or unauthorized tampering with any mechanical or electronic component of the unit caused the failure, activTek reserves the right to void the product warranty. This will require the owner to pay for any required repairs.

# CLEANING THE CASE:

Wipe the unit with a soft cloth dampened (not wet) with water. Do not use chemicals or solvents. Vacuum the front and rear grills periodically to remove any lint buildup.

#### CLEANING THE ACTIVEPURE (RCI) CELL:

Remove the ActivePure (RCI) cell and carefully vacuum accumulated lint. Do not wash the ActivePure (RCI) cell. Damage from water may result.

### REAR LINT SCREEN CLEANING:

You have two options to clean the rear lint screen:

- When visibly dirty, simply remove the rear lint screen from the unit (see pages 8 - 9), and with a hand-held vacuum, remove the heavy particulate. This method will extend the life of the lint screen.
- When visibly dirty, remove the lint screen from the unit (see pages 8 - 9), carefully vacuum, then wash in hot water (do not use soap). Allow to dry prior to reinstalling. Replace if damaged.

### REAR LINT SCREEN REPLACEMENT:

Contact your activTek Distributor for replacement lint screens. See pages 8 - 9 for removal and installation instructions.

Be sure to press the Reminder Reset button to clear the reminder following regular maintenance (see below).

# GENERAL MAINTENANCE (CONT.)

# CLEANING THE PURIFIER PLATE:

Remove the rear lint screen (see pages 8 - 9). Carefully remove the purifier plate from the card cage by grasping the middle of the edge nearest to you, and slowly pull it straight out.

If you are in an environment where there are fats, oils, or grease, such as in a kitchen, start by cleaning with denatured alcohol and a soft bristle brush. This will cut the grease without leaving a residue.

For all applications - Clean with a mixture of one part water and one part ammonia to remove contaminants. Place the plate into a shallow dish, and pour enough of the water/ammonia solution into the dish to just cover plate. Allow the plate to soak for no more than 10 minutes.

CAUTION: Damage may result from soaking the purifier plate in the ammonia solution longer than 10 minutes.

Remove plate and scrub with a soft bristle brush. Rinse thoroughly. Let air-dry for 24 hours or use a blow dryer to dry thoroughly.

The unit will display a REPLACE PLATE message if the purification plate needs to be replaced.

# CHANGING THE ACTIVEPURE (RCI) CELL:

The ActivePure (RCI) cell should be replaced every year if used continuously, even if the unit does not display this message. **Replace every two (2) years if used less than 12 hours a day.** To change the ActivePure (RCI) cell, follow the instructions on pages 8 - 9.

SEE PAGES 8 - 9 FOR REMOVAL AND INSTALLATION INSTRUCTIONS \* See next page for back cover removal instructions

# OPTIONAL PREFILTER



# REMOVING THE REAR LINT SCREEN



# REMOVING THE PURIFIER PLATE & ACTIVEPURE (RCI) CELL





# INSTALLING THE ACTIVEPURE (RCI) CELL & PURIFIER PLATE



For disassembly instructions, see page 8.

# TROUBLESHOOTING

# INDICATORS OF OPERATION:

When the unit is on, the LCD display will show either the fan setting and NORMAL, or the fan setting, purifier setting, and square footage. If the unit is in Away Mode, it will display AWAY MODE plus the hours and minutes remaining. See page 4 for more information.

### TROUBLESHOOTING - WHAT TO LOOK FOR

FIRST 1. I have plugged in the unit, pressed the ON button on the remote (or the unit), and nothing happens... what's wrong?

- Make sure the power cord is inserted completely into the receptacle on the back of the unit.
- Make sure the electrical outlet is capable of providing power to the unit.
- Check to see if the proper fuse is installed and that it is operational.

- 2. The fan is operating but the purifier plate is not working... what's wrong?
- The unit is in Normal Mode (press the Normal/High switch to change to High Mode).
- If the unit is displaying a REPLACE PLATE message, check the purifier plate for serviceability. If it is cracked or broken, the purifier plate will require replacement. Ensure maintenance procedures required for the purifier plate have been performed according to the "Maintenance" section of this owner's manual. Order new purifier plates from your activTek Distributor.
- The electrical stainless steel contacts are not contacting the screen portion of the purifier plate.
  Unplug and inspect the unit for any loose connections.
- Do not attempt to disassemble the unit. This will void the warranty of the product.
- 3. The purifier plate is making a noise, has a burning smell, and/or appears to arc or spark. What is the problem?

- The purifier plate is most likely cracked. The unit will display a REPLACE PLATE message. Refer to the answers for question # 2, as it would apply to this question also.
- 4. The UV lamp is not functioning/I'm getting a "Replace RCI Cell" message.
- Check ActivePure (RCI) cell for proper installation by removing the back cover and rear lint screen. Be sure the cell is properly connected.
- Replace the ActivePure (RCI) cell.
- 5. What are the most typical application problems?
- A belief that the proper equipment is placed in the environment and the equipment appears unsuccessful.
  This can be caused by lack of air movement or improper placement of the unit.
- Strong odors still remain within the environment after placement.

The purifier setting may be too low, the unit may not be placed properly, or the source of the odor has not been eliminated.

• A strong odor of ozone is present within the environment.

There is too much ozone accumulation within the environment as a result of improper purifier control setting, and/or lack of air movement.

• Visual haze of smoke and/or particulate remain within the environment.

This can result from lack of ionization and/or air movement.

- 6. Air flow is restricted or reduced.
- Is the unit properly placed away from objects that may obstruct air flow?
- Are the rear lint screen, back cover, and front grill clean?
- Is the ActivePure (RCI) cell clean?
- 7. How can I tell if the ActivePure (RCI) cell is functioning?
- The ActivePure (RCI) cell will produce a glow that is visible through the front grill under low light conditions

# <u>activTek</u> AP3000

# TROUBLESHOOTING

(if the bulb and catalyst coated honeycomb are not contaminated with deposits of foreign material such as tar or nicotine). PLEASE NOTE: The UV output of the RCI cell bulb will decrease over time and should be changed every year if used continuously, or every two (2) years if used less than 12 hours a day, even if the bulb is still producing light.

- 8. Unit does not operate.
- Is the unit plugged in?
- Are you sure the outlet is active?
- Are the rear lint screen and back cover installed properly?

# WARRANTY INFORMATION

#### LIMITED 3 YEAR WARRANTY

Customer should not repackage and ship the AP3000 unit due to possibility of irreparable damage. For warranty service, please contact your activTek Distributor for the address of the nearest service center.

#### WHAT IS COVERED BY THIS WARRANTY

We warrant the AP3000 (excluding filters) 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:

- AP3000 within three (3) years of date of purchase.
- ActivePure Cell and Lamp within one (1) year from the date of purchase.

#### INSTALLATION AND MAINTENANCE REQUIREMENTS

This warranty is expressly conditioned upon proper installation, operation, cleaning and maintence, all in accordance with the Owner's Manual. Failure to meet any of these requirements will void this warranty. Servicing of your AP3000 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 nontransferable.

# MISSING SERIAL NUMBERS AND UNAUTHORIZED CHANNELS

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 www.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

Vollara, LLC 5420 LBJ Freeway, Suite 1010 Dallas, TX 75240.

#### 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, please visit our website.

# FCC DECLARATION OF CONFORMITY

Name: activTek Model: AP3000 by activTek model A1005G

This device complies with Part 18 of the FCC Rules.

**RESPONSIBLE PARTY** 



DBG Group Investments, LLC DBA activTek Environmental 5420 LBJ Freeway, Suite 1010 Dallas, TX 75240.

Ph: (866) 736-0503

Signature:

1:3 QC

Printed Name: Andy Eide Title: Vice President of Product Development & Research Date: 10/19/09

REPLACEMENT PARTS LIST

Item # US70728: Ozone-Producing ActivePure (RCI) Cell output (Normal Mode): < 0.05 ppm ozone (ambient room concentration

Item # US71090: Ozone-Free ActivePure (RCI) Cell output (Normal Mode): 0 ppm ozone (produces no ozone)

Item # US70171: Purification Plate

Item # US70730: Rear Lint Screen

Item # 9950117: Power Supply with U.S. and Euro Cords



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This equipment has been tested and found to comply with the limits for Industrial, Scientific, and Medical Equipment (ISM), pursuant to Part 18 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 Business Owner or an experienced radio/TV technician for help.