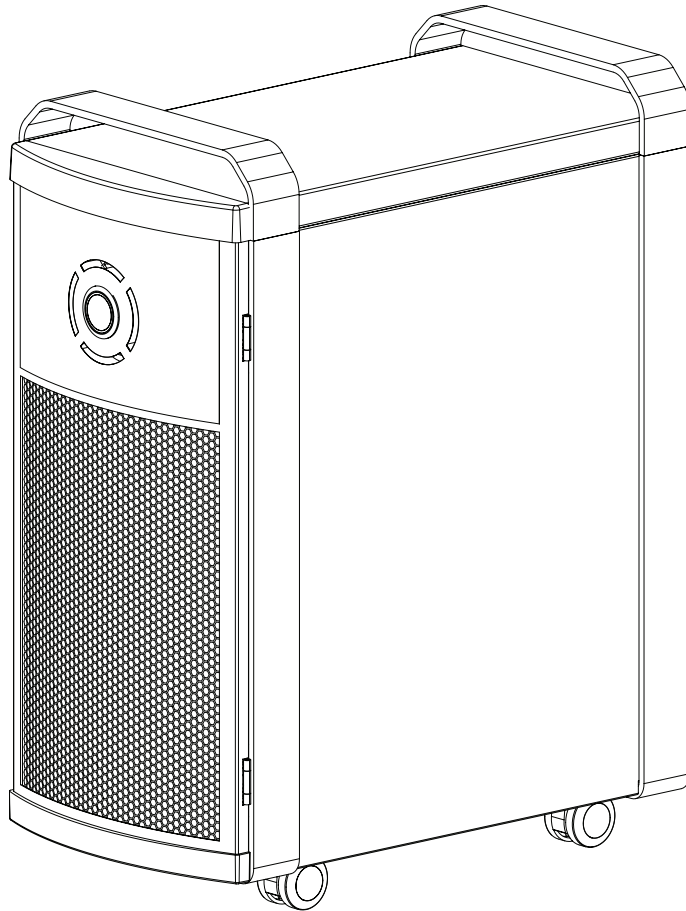




# AERUS<sup>®</sup> Medical Guardian

MODEL F170A



READ MANUAL CAREFULLY FOR PROPER USE AND OPTIMAL OPERATION.

ActivePure<sup>®</sup>  
TECHNOLOGY



2017 Space Technology  
Hall of Fame Inductee



Made in America

Aerus Medical LLC  
300 East Valley Drive  
Bristol, VA 24201 USA

# IMPORTANT SAFETY & USE INSTRUCTIONS FOR THE AERUS MEDICAL GUARDIAN

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**WARNING:** When using an electrical device, basic precautions should always be taken.



**CAUTION:** This device should be maintained in accordance with the device Manual to prevent damage or risk of fire.



**WARNING:** To reduce risk of fire, electrical shock, or injury to persons, observe the following:

**Read all instructions before using this device.**

- Use only as described in this manual
- Do not attempt to repair or adjust any electrical or mechanical functions of the Aerus Medical Guardian. Contact Customer Service for service support
- This device will automatically turn off when the door is open
- Do not use filters other than authorized Aerus Medical Guardian filters
- Do not place or operate device outdoors or on wet surfaces
- Do not look directly at the UV light inside unit when operating; eye damage may occur
- Do not allow device to be used as a toy; do not permit children to operate device
- Do not use with damaged cord or plug; if device is not working as intended, has been dropped, damaged, left outdoors, or is wet, contact Customer Service for support
- Never pull or carry by cord, use cord as a handle, close door on cord, or pull cord around sharp edges or corners; keep cord away from heated surfaces
- Do not unplug by pulling on cord; to unplug, grasp the plug to remove, not the cord
- Never handle plug or device with wet hands
- Keep hair, loose clothing, fingers, and all parts of body away from openings and moving parts
- Always turn off before unplugging
- To avoid electric shock or fire hazards, plug directly into an appropriate electrical outlet (see voltage listed on unit) using cable provided
- To reduce the risk of electrical shock, this device has a grounded plug (with a third prong); this plug will fit in a grounded outlet only one way; if it does not fit, do not change the plug in any way; do not use adapters; contact a qualified electrician to install the proper outlet
- This device should not be used near the presence of combustible gasses
- Place this device in a location that allows air to move freely into, around and out of the device

**SAVE THESE INSTRUCTIONS**

# BEFORE YOU BEGIN USING THE AERUS MEDICAL GUARDIAN

First, read this user manual in its entirety to ensure that the Aerus Medical Guardian device is used as intended. Then plug it in, turn it on to the appropriate fan setting. The Aerus Medical Guardian is designed for quiet operation, as not to disturb people in a professional healthcare environment.

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### FILL IN AND SAVE

Locate the serial number of your new Aerus Medical Guardian and write it here. Retain it for future reference.

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

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

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

Distributor \_\_\_\_\_

Distributor's Office Phone No. \_\_\_\_\_

Distributor's Office Address \_\_\_\_\_

## INTENDED USE

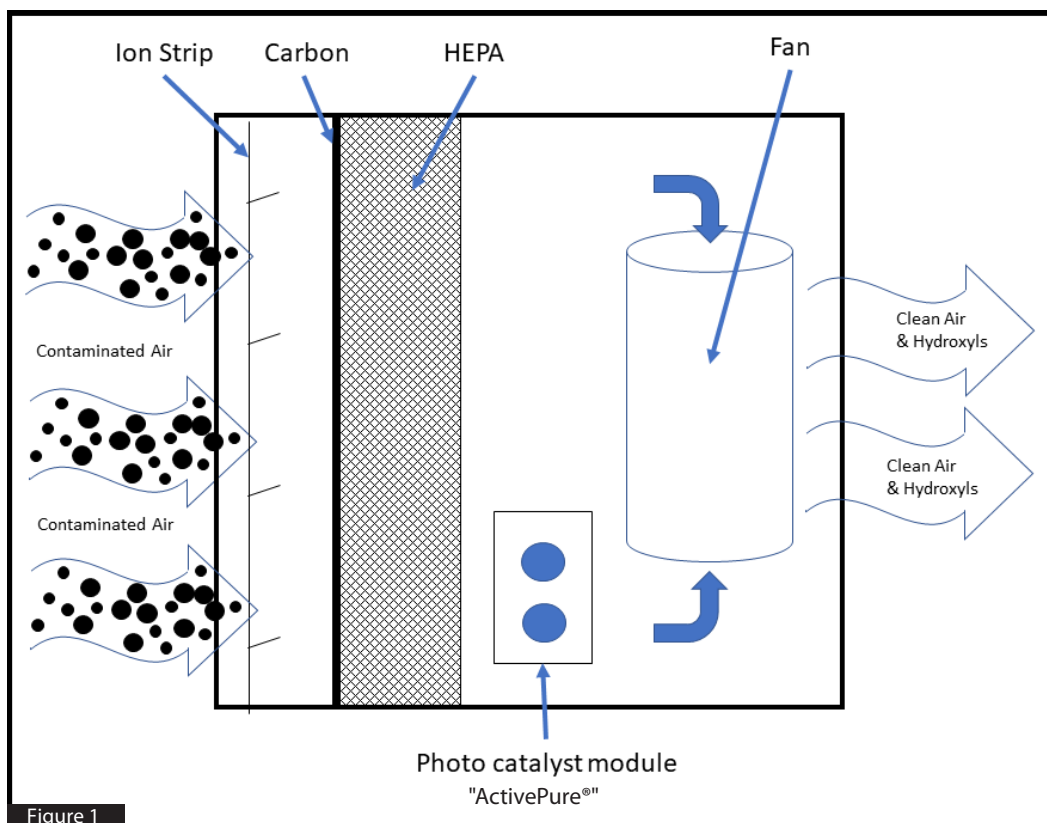
The Aerus Medical Guardian, model F170A is a device intended for medical purposes that is used for the reduction of staphylococcus epidermidis and erwinia herbicola bacteria, MS2 and Phi-X174 viruses and aspergillum niger fungal spores and bacillus globigii bacterial spores from the air in a temperature-controlled professional health care environment of 70~71°F, 40~45% RH.

The Aerus Medical Guardian, model F170A has demonstrated the reduction of staphylococcus epidermidis and erwinia herbicola, bacteria MS2 and Phi-X174 viruses and aspergillum niger fungal spores and bacillus globigii bacterial spores under the following conditions;

Organism Type	Organism Name	Test Temp/RH	Exposure Time (m)	Avg Log-Reduction
Bacteria	Staphylococcus epidermidis	72°F/50%	60	5.95
Bacteria	Erwinia herbicola	72°F/50%	60	5.12
Virus	MS2 bacteriophage	72°F/50%	60	5.58
Virus	Phi-X174	72°F/50%	60	4.19
Fungal spore	Aspergillus niger	72°F/50%	60	4.12
Bacterial spore	Bacillus globigii	72°F/50%	60	4.22

# DEVICE DESCRIPTION

The Aerus Medical Guardian, model Number F170A is a free-standing portable device, manufactured in the USA, constructed of aluminum and steel, dimensionally measures 11.5" W x 26.5" H x 21.0" D and weighs 48 lbs. The device operates using a standard 120 VAC, 60Hz power source. Power consumption ranges from 1 watt in standby mode to 117 watts on high speed. The device includes: a HEPA filter; multipoint ionizer; a photocatalyst module consisting of two 10-watt UVGI bulbs operating at a wavelength of 254nm; two pieces of polycarbonate honeycomb material with a combined surface area of 708 square inches, coated with a TiO<sub>2</sub> based catalyst called ActivePure® ; power switch; circuit board which controls the device operations and an internal fan to draw air through the device, as shown in the general device design (Figure 1).



Lab test results demonstrated the Aerus Medical Guardian, model F170A device using ActivePure® to expose Staphylococcus epidermidis and MS2 bacteriophage to hydroxyl radicals and super ions formed as the result of UV exposure on the photo catalyst, has the ability to destroy the tested bio organisms on the filter as shown in Table 1 below.

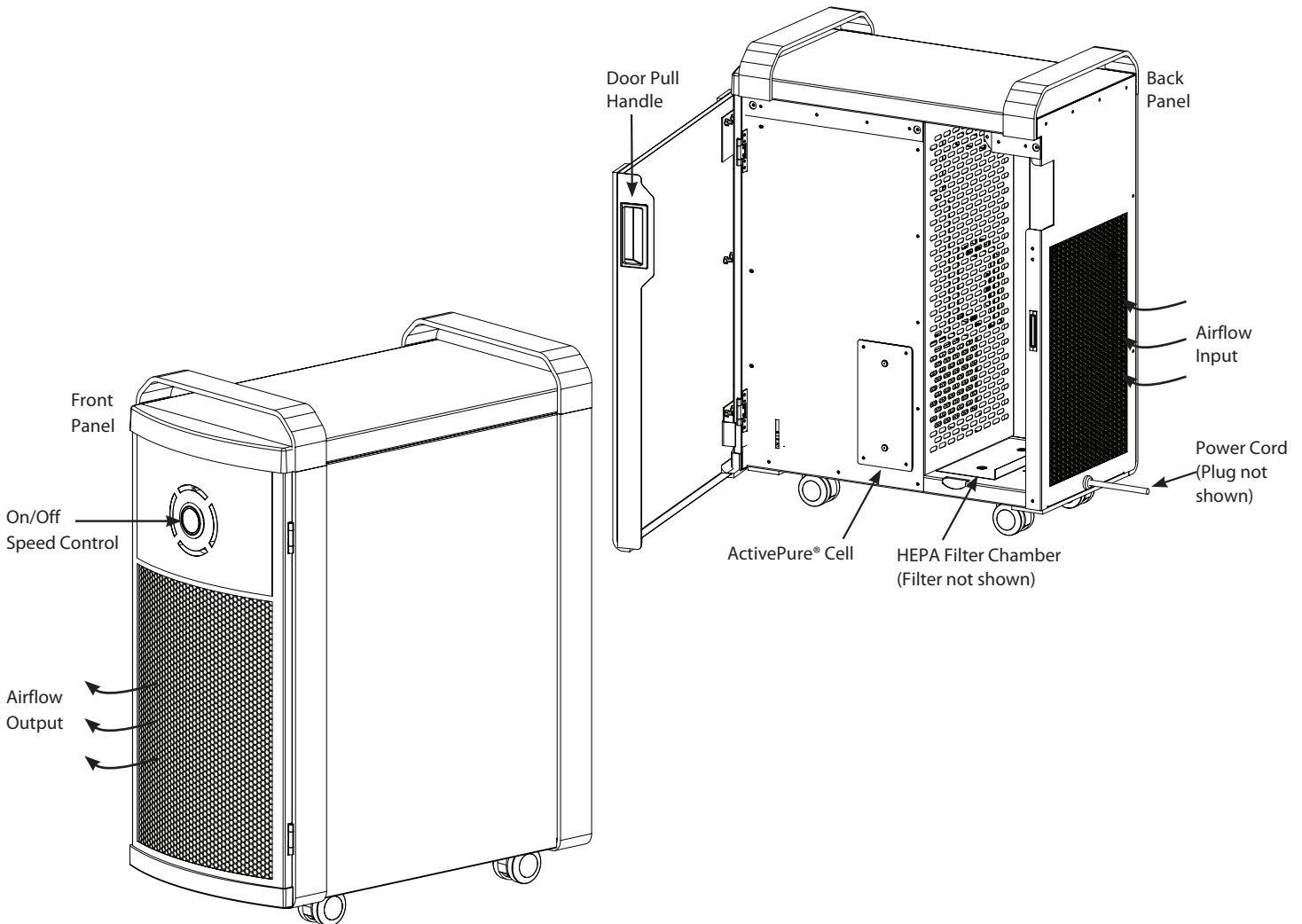
Table 1

Organism Type	Organism Name	Test Temp / RH	Exposure Time (H)	Avg Log – Reduction
Bacteria, gram +	Staphylococcus epidermidis	73.2°F / 50%	1	5.77
Virus, RNA	MS2 bacteriophage	73.2°F / 50%	72	4.15

The bio organisms selected, Staphylococcus epidermidis, a bacteria and MS2 bacteriophage, a virus would provide a strong challenge against the ActivePure® hydroxyl radicals and super ions exposure.

# PRODUCT FEATURES

It is important to be familiar with the components of the Aerus Medical Guardian. If any components are missing, contact Customer Service for support.



## UNIQUE FEATURES

1. Flow-through air design provides less air resistance.
2. Multi-point ionization creates negatively charged particles which flow out from a series of carbon brushes.
3. Carbon to remove odors.
4. Hydrophobic polypropylene pleated media filter designed to reduce airborne contaminants.
5. Powerful UVGI bulbs.
6. Photo catalyst module using ActivePure®, a Certified Space Technology.
7. 4-Speed fan draws airborne contaminants through the device.
8. All steel and aluminum construction for durability and long life.
9. Automatic ambient light sensor automatically dims display in darkened environment.
10. Safety shutdown which prevents continued device use once filter and/or ActivePure Cell replacement time is reached.
11. Made in the USA.

# DEVICE SPECIFICATIONS

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## MODEL: F170A

**Operation Voltage:** 120 VAV, 60 Hz

**Power Button Function:** ON / 1 / 2 / 3 / 4 / OFF

### Operational Indicators:

Green ring – power on, device in operation

Filter change – activates after 180 days of usage

Photocatalyst cell (ActivePure®) – activates after 365 days of usage

### Reset Button:

Press and hold power button for 10 seconds to reset filter and/or cell indicators

**Ionizer Voltage:** 4.5 ~ 5.5 kV

**Negative Ion Output (Avg):**  $8.73 \times 10^6 / \text{cm}^3$

**Treatment Area:** 3,000 ft<sup>3</sup> with ceilings 8 ~ 10 ft

**Recommended Fan Speed:** High

### Fan Speeds / Fan Indicators: 4

Whisper		1 blue bar is illuminated
Low		2 blue bars are illuminated
Medium		3 blue bars are illuminated
High		4 blue bars are illuminated

### Nominal Airflow Rate:

Whisper		90 CFM		53 m <sup>3</sup> /h
Low		100 CFM		59 m <sup>3</sup> /h
Medium		180 CFM		305 m <sup>3</sup> /h
High		300 CFM		509 m <sup>3</sup> /h

### Nominal Wattage:

Standby	1
Whisper	41
Low	46
Medium	60
High	117

### Average Sound (dba)(i):

Whisper	43
Low	48
Medium	64
High	70

*(measured @1m from front)*

### Dimensions:

26.5"H x 11.5"W x 21.0"D

673mm H x 292mm W x 533mm D

### Weight:

48 lbs.

21.8 kg

**Power Cord:** 6 ft.

Aerus Medical LLC reserves the right to change or modify any specifications without notice. Consult [www.AerusMedical.com](http://www.AerusMedical.com) for the latest device information or consult Customer Service at 800.572.0502.

### Life:

3-years minimum operational life

# OPERATION

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## WARNING: DO NOT place the unit:

- Directly on or near soft furnishing (such as bedding or curtains)
- Near sources of heat (such as radiators, fireplaces or ovens)
- Near combustible gases
- Near water, outdoors or in a damp or wet area

**Place the Aerus Medical Guardian in a location that allows air to move freely into, around and out of the unit. Allow minimum of 12" of clearance around intake grill (airflow input).**

# TREATMENT SPACE

The Aerus Medical Guardian, model F170A is a device intended for medical purposes that is used in professional healthcare environments. The device is designed to treat a space approximately 3,000 cubic feet that would have 8' to 10' ceilings. Recommended mode of action is to operate the device on the highest speed possible continuously. The device recirculates ambient air continuously through the device where the filter using straining and attraction reduces airborne contaminants from the air. Hydroxyl radicals and super ions created by the photo catalyst ActivePure® are mixed with the contaminant reduced air which then enters the treatment space. The ActivePure® photo catalyst reduces the viability of microorganisms 4-6 log such as Staphylococcus epidermidis and MS2 as tested, shown in Table 3. Larger spaces or operating on lower fan speeds may require multiple devices. Operational guidelines are provided to users in the form of an Owner's Manual. The length of time required to reach optimal reduction varies as a function of space volume and the dynamics of what occurs within the treatment space including:

- Degree of contaminants in the air or being introduced by activities in the space
- Movement of people, equipment within the space
- Rates of ventilation

The device is intended to result in a 4-6 log reduction of airborne microorganisms from initial concentrations in 60 minutes as shown in Table 1. The Aerus Medical Guardian, model F170A is not a sterile device and is not intended to create a sterile environment.

**Table 1**

Organism Type	Organism Name	Initial Load of Microorganisms	Avg Log-Reduction after 60 minutes
Bacteria (gram +)	Staphylococcus epidermidis	2.6e <sup>5</sup> cfu/L	5.95
Bacteria (gram -)	Erwinia herbicola	1.9e <sup>5</sup> cfu/L	5.12
Virus (RNA)	MS2	8.1e <sup>5</sup> cfu/L	5.58
Virus (DNA)	Phi-X174	7.63e <sup>3</sup> cfu/L	4.19
Fungal spore	Aspergillus niger	2.61e <sup>4</sup> cfu/L	4.12
Virus (DNA)	Baillus globigii	7.95e <sup>5</sup> cfu/L	4.22

The information on the device CFM performance and air exchanges for the different speed settings is shown in Table 2, to illustrate the influence of treatment space to air exchanges on different fan speeds. These are provided to assist in determining the number of devices or fan speed settings necessary for a given space.

**Table 2**

Fan Speed	CFM of Air Movement	Cubic Feet Air Movement in 1 Hour	Air Exchanges per Hour based on 3,000 ft <sup>3</sup>
Whisper	90	5,400	1.8
Low	100	6,000	2.0
Medium	180	10,800	3.6
High	300	18,000	6.0

**Table 3**

Organism Type	Organism Name	Test Temp / RH	Exposure Time (H)	Avg Log – Reduction
Bacteria, gram +	Staphylococcus epidermidis	73.2°F / 50%	1	5.77
Virus, RNA	MS2 bacteriophage	73.2°F / 50%	72	4.15

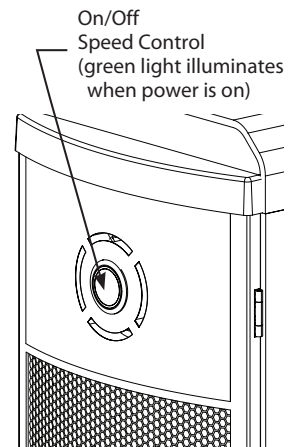
# SETTINGS

**NOTE:** Safety switch automatically turns power off when door is opened.

There are four fan settings on the Aerus Medical Guardian:

1. Whisper (one blue light illuminated)
2. Low (for normal use... two blue lights illuminated)
3. Medium (for a larger areas... three blue lights illuminated)
4. High (when maximum airflow is desired... four blue lights illuminated)

**When operating the Aerus Medical Guardian device for the first time, set the fan speed to the highest appropriate speed for the area its placed. Then adjust fan as appropriate for the area if needed.**



# GENERAL MAINTENANCE INSTRUCTIONS

 **CAUTION:** Disconnect power before servicing.

The Aerus Medical Guardian is designed to reduce airborne contaminants with minimal maintenance.

**Filter:** The Aerus Medical Guardian HEPA Filter is replaced when the change filter light illuminates after 180 days (approx 6 months) of use.

**ActivePure® Photocatalyst**

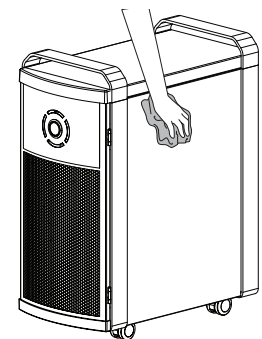
**Cell Module:** The Aerus Medical Guardian ActivePure® Cell is replaced when the change cell light illuminates after 365 days (1 year) of use.

The Aerus Medical Guardian has a safety shutdown feature to ensure the filter and/or cell replacement is performed at the appropriate times. When the filter and/or cell replacement time is reached, the appropriate LED indicator will illuminate. However, if the replacement indicator(s) are ignored or if the one or both LED's fail to illuminate, by design the device will shut down 3 days of operation after reaching the replacement time. This is to ensure the device does not continue to operate with a filter and/or cell past its stated life.

**Cabinet:** Wipe the exterior of the cabinet with a clean, soft cloth as needed to remove finger prints, smudges, etc. Clean and disinfect device after each filter change as detailed in the INSTRUCTIONS FOR USE, Cleaning/Disinfecting and Filter Replacement.

**Important Points:**

- Always unplug device before cleaning
- Never use gasoline, chemical solvents or any type of corrosive material to prevent damage to the device
- Use genuine Aerus parts to maintain the warranty (See Warranty on Page 11).



**Keep your Aerus Medical Guardian looking good and working well**



# CLEANING/DISINFECTING AND FILTER REPLACEMENT INSTRUCTIONS

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The Aerus Medical Guardian, model F170A is a device intended for medical purposes that is used for the reduction of staphylococcus epidermidis and erwinia herbicola bacteria, MS2 and Phi-X174 viruses and aspergillum niger fungal spores and bacillus globigii bacterial spores from the air in a temperature-controlled professional healthcare environment of 70~71°F, 40~45%RH.

*The following instructions covers device cleaning, disinfecting and replacement of the filter. Thoroughly read all the instructions before starting. It is recommended to clean and disinfect the device each time the filter is replaced or when device becomes visibly soiled.*

## FILTER REPLACEMENT

**Step 1:** Always disconnect (unplug) device from electrical power source before cleaning, disinfecting or replacing the filter.

**Step 2:** If necessary, relocate the device to an appropriate area to perform the cleaning, disinfecting and filter replacement. It is not recommended to perform these tasks in areas such as patient room, operating room, examination room, etc., where patient exposure may occur.

**Step 3:** Open the replacement filter carton which includes the following items inside.

- 1 replacement filter in a sealed wrapper
- 1 disposable surgical mask
- 1 pair disposable latex free gloves, large
- 1 disposable 8-quadrant wiping cloth
- 1 large plastic bag
- 1 red bio hazard sticker
- 1 plastic bag seal
- 1 printed copy of instruction for use, cleaning, disinfecting, filter replacement sheet

**Step 4:** Before removing and handling the used filter, put on the disposable mask and gloves.

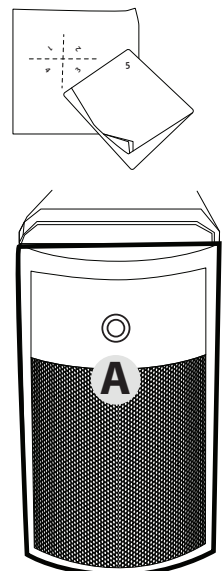
**Step 5:** Slide (remove) the used filter from the device, placing it inside the large plastic bag provided for disposal, then set it aside.

**Step 6:** Use Metrex CaviWipes to clean the device. These are **NOT** provided with the device or replacement filter.

**Step 7:** Remove a Metrex CaviWipe from its package. Beginning by cleaning the surface "A". Wipe the CaviWipe over the surface area, thoroughly wetting the soil. Then using hand pressure rub the wipe over the surface until soil is no longer visible on this part of the device. If soil is heavy or is still visible, repeat step with a new CaviWipe until soil is no longer visible.

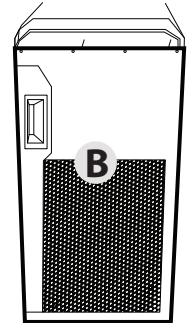
**Step 8:** Remove a Metrex CaviWipe from its package. Beginning by cleaning the surface "B". Wipe the CaviWipe over the surface area, thoroughly wetting the soil. Then using hand pressure rub the wipe over the surface until soil is no longer visible on this part of the device. If soil is heavy or is still visible, repeat step with a new CaviWipe until soil is no longer visible.

**Step 9:** Remove a Metrex CaviWipe from its package. Beginning by cleaning the surface "C". Wipe the CaviWipe over the surface area, thoroughly wetting the soil. Then using hand pressure rub the wipe over the surface until soil is no longer visible on this part of the device. If soil is heavy or is still visible, repeat step with a new CaviWipe until soil is no longer visible.

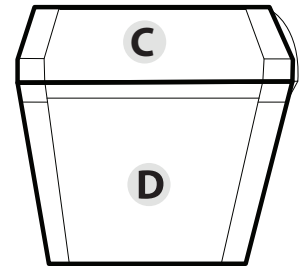


# CLEANING/DISINFECTING AND FILTER REPLACEMENT INSTRUCTIONS (CONT.)

**Step 10:** Remove a Metrex CaviWipe from its package. Beginning by cleaning the surface “D”. Wipe the CaviWipe over the surface area, thoroughly wetting the soil. Wait 1 minute, then using hand pressure rub the wipe over the surface until soil is no longer visible on this part of the device. If soil is heavy or is still visible, repeat step with a new CaviWipe until soil is no longer visible.

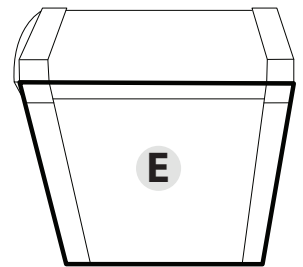


**Step 11:** Remove a Metrex CaviWipe from its package. Beginning by cleaning the surface “E”. Wipe the CaviWipe over the surface area, thoroughly wetting the soil. Wait 1 minute, then using hand pressure rub the wipe over the surface until soil is no longer visible on this part of the device. If soil is heavy or is still visible, repeat step with a new CaviWipe until soil is no longer visible.



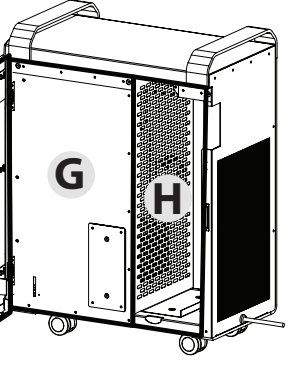
**Step 12:** Remove a Metrex CaviWipe from its package. Beginning by cleaning the surface “F”. Wipe the CaviWipe over the surface area, thoroughly wetting the soil. Wait 1 minute, then using hand pressure rub the wipe over the surface until soil is no longer visible on this part of the device. If soil is heavy or is still visible, repeat step with a new CaviWipe until soil is no longer visible.

**Step 13:** Remove a Metrex CaviWipe from its package. Beginning by cleaning the surface “G”. Wipe the CaviWipe over the surface area, thoroughly wetting the soil. Wait 1 minute, then using hand pressure rub the wipe over the surface until soil is no longer visible on this part of the device. If soil is heavy or is still visible, repeat step with a new CaviWipe until soil is no longer visible.



**Step 14:** Remove a Metrex CaviWipe from its package. Beginning by cleaning the surface “H”. Wipe the CaviWipe over the surface area, thoroughly wetting the soil. Wait 1 minute, then using hand pressure rub the wipe over the surface until soil is no longer visible on this part of the device. If soil is heavy or is still visible, repeat step with a new CaviWipe until soil is no longer visible.

**Step 15:** Allow the device to dry, no visible wetting remains. No rinsing is required. With the device cleaned, it is ready for disinfecting.



## DISINFECTING

*Disinfectants are typically provided as a concentrate to be mixed with water or ready to use (RTU) with no mixing required. Use Clorox Healthcare Fuzion Cleaner Disinfectant RTU in a spray bottle. As an RTU product, no mixing is necessary. Clorox recommended disinfectant wait time is 1 minute with no rinsing required.*

*In Steps 16 ~ 24, spray Clorox Healthcare Fuzion Cleaner Disinfectant liberally on each surface until that surface is thoroughly wetted.*

**Step 16:** Take the 8-quadrant wiping cloth from the filter carton, folding it as before so quadrant 1 is showing.

**Step 17:** Spray disinfecting solution over surface A. Wait 4 minutes, ± 5 seconds, then thoroughly wipe with the cloth folded to quadrant 1. Continue wiping until all solution has been removed.

**Step 18:** Spray disinfecting solution over surface B. Wait 4 minutes, ± 5 seconds, then thoroughly wipe with the cloth folded to quadrant 2. Continue wiping until all solution has been removed.

**Step 19:** Spray disinfecting solution over surface C. Wait 4 minutes, ± 5 seconds, then thoroughly wipe with the cloth folded to quadrant 3. Continue wiping until all solution has been removed.

**Step 20:** Spray disinfecting solution over surface D. Wait 4 minutes, ± 5 seconds, then thoroughly wipe with the cloth folded to quadrant 4. Continue wiping until all solution has been removed.

**Step 21:** Spray disinfecting solution over surface E. Wait 4 minutes, ± 5 seconds, then thoroughly wipe with the cloth folded to quadrant 5. Continue wiping until all solution has been removed.

## CLEANING/DISINFECTING AND FILTER REPLACEMENT INSTRUCTIONS (CONT.)

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**Step 22:** Spray disinfecting solution over surface F. Wait 4 minutes,  $\pm$  5 seconds, then thoroughly wipe with the cloth folded to quadrant 6. Continue wiping until all solution has been removed.

**Step 23:** Spray disinfecting solution over surface G. Wait 4 minutes,  $\pm$  5 seconds, then thoroughly wipe with the cloth folded to quadrant 7. Continue wiping until all solution has been removed.

**Step 24:** Spray disinfecting solution over surface H. Wait 4 minutes,  $\pm$  5 seconds, then thoroughly wipe with the cloth folded to quadrant 8. Continue wiping until all solution has been removed.

**Step 25:** When finished, place the disposable mask, gloves and wiping cloth in the large plastic bag with the used filter.

**Step 26:** Secure the large plastic bag with the provided bag closure and place the red biohazard label on the plastic bag. Disposal to be in accordance with facility policy.

**Step 27:** Remove the new filter from its protective wrap and slide (following directions on filter) it into the device. The protective filter wrap is not a biohazard, so no special handling is required.

**Step 28:** Allow the device to dry, no visible wetting remains, and no rinsing is required. Plug device in and perform a reset of the filter change light by pressing and holding the power button for 10 seconds until the filter replace light goes out.

**Step 29:** the device is now ready to be returned to use.

## ACTIVEPURE® CELL REPLACEMENT INSTRUCTIONS

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The Aerus Medical Guardian, model F170A is a device intended for medical purposes that is used for the reduction of staphylococcus epidermidis and erwinia herbicola bacteria, MS2 and Phi-X174 viruses and aspergillum niger fungal spores and bacillus globigii bacterial spores from the air, in a temperature-controlled professional health care environment of 70~71°F, 40~45% RH.

***The Following instructions will permit the device ActivePure Cell to be safely replaced without creating safety concerns in the patient environment.***

**Step 1:** Always disconnect (unplug) device from electrical power source before replacing the ActivePure Cell.

**Step 2:** If necessary, relocate the device to an appropriate area to perform cell replacement. Do not replace cell in areas such as patient room, operating room, examination room, etc., where patient exposure may occur.

**Step 3:** Remove the 4 screws securing the old cell mounting plate on the device.

**Step 4:** Slide the old cell out of the device and disconnect the two bulb sockets.

**Step 5:** Open the replacement cell carton and remove the new cell.

**Step 6:** Place old cell inside the empty new cell carton and dispose of properly.

**NOTE:** No special handling for contaminants is necessary as the cell is on the exhaust side of the device and does not trap or contain contaminants.

**Step 7:** Reattach the two bulb sockets to the new cell.

**Step 8:** Slide the new cell back inside the device and secure with the 4 screws removed in Step 3.

**Step 9:** Plug device in and reset the ActivePure Cell Change Light by pressing and holding the power button for 10 seconds until it goes out.

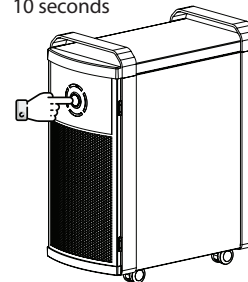
**Step 10:** The device is now ready to be returned to its location.

# ACTIVEPURE® CELL REPLACEMENT INSTRUCTIONS (CONT.)

## RESETTING FILTER AND/OR ACTIVEPURE PHOTOCATALYST CELL MODULE INDICATORS

After you replace the filter or ActivePure Cell you will want to reset the indicator light(s). To do so simply press and hold the power button for 10 seconds. This will reset the filter and/or cell module replacement indicators. Only the illuminated indicator(s) will be reset when pressing the power button for 10 seconds.

Press and hold for  
10 seconds



## REPLACEMENT PARTS



**WARNING:** Use only Aerus Medical LLC recommended Replacement Parts.

REPLACEMENT PARTS (QTY)	Part Number
HEPA Filter (1)	49939
ActivePure® Cell	49940

## FREQUENTLY ASKED QUESTIONS

**Q: When the device is first turned on, the fan runs at a higher speed for a second or two before running on the low setting?**

A: The fan on whisper runs very slow so the device provides extra power to the fan for a second or two on start up to ensure the fan is operating.

**Q: When I select different fan speeds, I hear a clicking sound?**

A: The clicking sound is a mechanical relay closing for that speed setting.

**Q: When I turn off the device, the fan continues to run for a short time?**

A: This 3 second delay provides longer fan life.

**Q: I noticed in a darken room, the display dims but not immediately.**

A: The automatic dim feature has a brief delay to prevent unnecessary dimming if a shadow momentarily passes in front.

**Q: How will I know to change the filter or ActivePure® Cell?**

A: The device control panel will illuminate a change filter or cell icon when its time to change one or both.

**Q: What if I ignore the illuminated icons and decide not to change the filter or cell?**

A: The device has a safety feature to prevent the continued use of the device 3 days after it is time to change the filter or cell.

**Q: How do I reprocess the device**

A: Follow the instruction inside the user manual, on the website or what comes with a replacement filter. These instruction details the cleaning and disinfecting procedure.

**Q: what if I have question about using the device?**

A: Answers may be obtained by calling or emailing Customer Service.

**If you have questions regarding replacement parts and service, contact Customer Service at 800.572.0502.**

# LIMITED ONE (1) YEAR WARRANTY

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## WHAT IS COVERED BY THIS WARRANTY

Aerus Medical LLC warrants the Aerus Medical Guardian, to the original purchaser subject to the conditions below, against defects in workmanship or material, provided that the products are returned to an authorized location within 1 year of date of purchase\*.

## MAINTENANCE REQUIREMENTS

Failure to use and maintain the Aerus Medical Guardian in accordance with the Owner's Manual will void this warranty, including but not limited to, replacing your HEPA filters with genuine filters every 180 days (6 months) of use, and replacing the ActivePure Cell with a genuine Aerus® cell every 365 days (1 year) of use. Proof of change may be required. Servicing your Aerus Medical Guardian by parties other than an authorized location and/or using parts other than genuine Aerus parts will also void this warranty.

## HOW TO OBTAIN WARRANTY SERVICE

Customers must contact their distributor or Customer Service and provide proof of purchase within the above time periods. We will repair or replace and return the device, without charge and within a reasonable period of time, subject to the conditions herein, if our examination shall disclose any part to be defective in workmanship or material. If we, in our discretion, are unable to repair the device after a reasonable number of attempts, we will provide either a refund of the purchase price or a replacement device, at the company's option.

## WHAT IS NOT COVERED BY THIS WARRANTY

This device is intended for use in a professional Healthcare Environment only. Ordinary wear and tear shall not be considered a defect in workmanship or material. These warranties do not apply for loss or damage caused by accident, fire, abuse, misuse, modification, misapplication, or by any repairs other than those provided by an authorized location.

## EXCLUSION OF OTHER WARRANTIES AND CONDITIONS

EXCEPT AS PROVIDED HEREIN, AERUS MEDICAL LLC MAKES 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.

## UNAUTHORIZED CHANNELS & MISSING SERIAL NUMBERS

If a valid serial number is missing from the device, the warranty will be voided. Genuine devices are permitted to be sold through our authorized representatives only. Warranties are voided if a device is purchased through unauthorized channels, this includes websites that are not authorized to use Aerus' trademarked names, images and logos as well as Internet auction sites (e.g. ebay and Craigslist). The only approved Internet presence for Aerus Medical LLC products is [www.aerusmedical.com](http://www.aerusmedical.com). To confirm warranty coverage prior to purchasing a device, contact Customer Service at 800.572.0502 with the serial number.

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

AERUS MEDICAL LLC SHALL NOT IN ANY CASE BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING FROM BREACH OF EXPRESS 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.

## 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.

## PREVENTATIVE MAINTENANCE PROGRAM

Preventative maintenance programs may be available. These programs help maintain the device's optimal performance and may extend the life. To find out if a preventative maintenance program is available for this device, please contact an authorized representative or Customer Care. Terms and conditions will be all as set forth in the preventative maintenance program documents.

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:

Aerus Medical LLC  
300 East Valley Drive,  
Bristol, VA 24201

## SERVICE

From time to time, modifications to our devices may occur without notice. For the latest information, please call customer service at 800.572.0502 or visit [www.AerusMedical.com](http://www.AerusMedical.com)

\*Warranty does not include consumable items.

# DEVICE IEC 60601-1-2:2014 EMC INFORMATION

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This device passed each of the 11 tests, as indicated. Immunity test levels performed on the device were,

- Electrostatic Discharge Immunity – Tested at 2,4,8 and 15 kV
- Radiated Immunity – Tested 3 V/m (Professional Health Care) and 10 V/m (Home Health Care)
- Conducted Immunity – Tested 150 Hz ~ 80 MHz with AM 80% @ 1kHz 3V and 6V

## TEST STANDARD

Conducted Emissions (EN 55011, CISPR 11)

Radiated Emissions (EN 55011, CISPR 11)

Harmonics (EN 61000-3-2)

Flicker (EN 61000-3-3: IEC 61000-4-2)

Electrostatic Discharge (EN 61000-4-2: IEC 6100-4-2)

Radiated Immunity (EN 61000-4-3: IEC 61000-4-3)

Fast Transient Burst (EN 61000-4-4: IEC 61000-4-4)

Surges (EN 61000-4-5: IEC 61000-4-5)

Conducted Immunity (EN 61000-4-6: IEC 61000-4-6)

Power Frequency Magnetic Field (EN 61000-4-8: IEC 61000-4-8)

Voltage Dips and Interrupt (EN 61000-4-11: IEC 61000-4-11)

- This device conforms fully to the EMC requirement of IEC 60601-1-2 and is suitable for use in a professional healthcare environment
- This device is not effected by RFID, wireless networks, 2-ways radios, paging systems, etc., as the device does not transmit or receive RF signals or create EMF beyond the required limits
- Do not use device with an extension cord as unintended EMF may be created
- This device is grounded to prevent electrostatic discharge
- Do not use RF communication or magnetic field generating equipment within 30 cm of the device
- EMC testing shows no conducted or radiated electromagnetic emissions or immunity issues which would be adverse to the patient or operator

**The use of this device in a manner other than described in the user manual or a modification of the device could result in increased electromagnetic emissions or decreased immunity.**

**If device is operating in an unexpected manner or causing unexpected interference , discontinue using the device, review the user manual or seek service.**





For information regarding the use of this product please call Customer Service.

**800.572.0502 (U.S.)**  
**800.668.0763 (CANADA)**

**[www.aerusmedical.com](http://www.aerusmedical.com)**

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