



**KR-31 Germicidal Enclosure**  
**“The UV Cube”**  
**User’s Manual**

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803-504-0325

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# Warnings, Precautions and Limitations for Use

## Location of Safety and Compliance Labels

Advanced Ultra-Violet Systems is in compliance with various regulations, details of which are listed in the Specifications section. The KR-31 Germicidal Enclosure safety and compliance label, shown below, is located on the right panel of the Unit.



**C** **US**

### **ADVANCED ULTRAVIOLET SYSTEMS LLC.**

***PO BOX 57  
South Hill, Virginia 23970***

***2427 Craig Mill Road  
South Hill, Virginia 23970***  
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***Manufactured for AUVS  
EPA Est. 99021-GA-1***

***Model Number - KR31\_\_\_\_\_***  
***Operating Voltage - 120V AC , 60 Hz***  
***Amperage - 3 Amps***  
***Wattage - 360 Watts***

***Serial Number :***

***Revision:***

**PROUDLY**  
  
**MADE IN THE U.S.A.**

***Manufactured for AUVS  
EPA Est. 99021-GA-1***

## Safety Warnings and Precautions



The exclamation point, within a circle, is intended to alert the user to the presence of important operating and maintenance instructions.



The lightning flash with the arrowhead symbol, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the device’s enclosure that may be of sufficient magnitude to constitute the risk of electrical shock.



The thermometer is intended to alert the user to the presence of internal components that may reach high temperatures within the device’s enclosure that may be of sufficient temperature to cause a burn.

### Post-Use Warnings



WARNING: The KR-31 Germicidal Enclosure is intended to treat the surface area of objects placed in the enclosure. The subsequent utilization of the objects treated by the AUVS KR-31 Germicidal Enclosure is at the discretion of, and the sole responsibility of the user.

### Ultraviolet Light Warnings and Precautions



WARNING: Non-protected eyes or skin should never be exposed directly to UV-C.

### Ultraviolet Light Lamp Warnings and Precautions



WARNING: Non-protected eyes or skin should never be exposed directly to UV-C.



WARNING: Ultraviolet lamps contain mercury, and therefore, must be properly disposed of as a hazardous waste in accordance with local, state, and federal regulations or the lamps should be recycled.



WARNING: UV-C Lamps are encapsulated for user protection in the event of a broken lamp, but users must use caution when handling broken lamps. See **Procedures for Disposal of Lamps and Special Handling Information for Broken Lamps.**

# Safety Warnings and Precautions



**WARNING:** Do not bypass any of the safety precautions built into the device. Failure to comply may result in exposing skin to UV-C. Prolonged skin exposure may generate redness and an uncomfortable sunburn sensation.



**WARNING:** The KR-31 Germicidal Enclosure should not be operated by children.



**WARNING:** High Temperature – The assembly may develop high temperatures.



**WARNING:** All assembly, adjustment, modification, maintenance and/or repair should be performed by qualified personnel authorized by Advanced Ultra-Violet Systems, LLC. (AUVS)



**WARNING:** Only AUVS-approved replacement parts should be used in maintaining the device.



**WARNING:** Do not remove any warnings, cautions, or descriptive labeling from the KR-31 Germicidal Enclosure.



**PRECAUTION:** The product must be used in accordance with this User's Manual.



**PRECAUTION:** Avoid spilling fluids on any part of the KR-31 Germicidal Enclosure.



**PRECAUTION:** If spills do occur inside the KR-31 Germicidal Enclosure, immediately disconnect from the power source and contact Technical Support (803-504-0325) for guidance on cleaning the KR-31 Germicidal Enclosure.



**PRECAUTION:** Never attempt to disinfect any objects other than mobile devices or non-critical medical devices. See intended use under Indications for Use.



**PRECAUTION:** Do not use any attachments not recommended by Advanced Ultra-Violet Systems, Inc.



**WARNING:** Explosion Hazard – Do not operate the KR-31 Germicidal Enclosure in the presence of flammable vapors.

## Safety Warnings and Precautions



**WARNING:** The power cord connected to the KR-31 Germicidal Enclosure is the main disconnect for the system.



**PRECAUTION:** When positioning the KR-31 Germicidal Enclosure ensure that the connection to the AC main power (wall outlet) is not obstructed, so that disconnection is not blocked in the case of emergency.



**WARNING:** Disconnect the power cord from the wall outlet before servicing to avoid the possibility of electric shock.



**WARNING:** The KR-31 Germicidal Enclosure must be connected to a grounded electrical outlet to maintain grounding reliability.



**PRECAUTION:** The electrical installation of the room in which the KR-31 Germicidal Enclosure will be operated must comply with the local electrical wiring standards.



**PRECAUTION:** Never operate the KR-31 Germicidal Enclosure if it has a damaged power cord, power supply or plug. If the power cord, power supply or plug is worn or damaged, contact Advanced Ultra-Violet Systems, LLC at 803-504-0325.



**WARNING:** Any power extension cord used with the KR-31 Germicidal Enclosure must include a safety ground, meet ratings for the device, and meet all pertinent regional and local safety codes.



**WARNING:** To prevent fire or shock hazard, do not expose this device to rain or moisture. Do not spray liquids of any kind inside the KR-31 Germicidal Enclosure.



**WARNING:** Always power off the system before cleaning. An electrical shock could occur if the system is powered on during cleaning.



**WARNING:** Designated for use in dry, indoor locations only.

## Indications for Use

### Intended use

The KR-31 Germicidal Enclosure is intended to allow authorized trained personnel the ability to disinfect a non-critical device (NCD) or mobile devices such as laptops, tablets, keyboards and phones on demand. The AUVS Germicidal Enclosure is not intended to be used to pre-clean or decontaminate critical or semi-critical medical devices prior to terminal sterilization or high level disinfection.



**WARNING:** Do not place vessels containing liquid of any kind, or bottles containing medications of any kind, into the AUVS Germicidal Enclosure.

### Device Indications for Use Statement

The KR-31 Germicidal Enclosure's disinfection function is achieved through the application of high intensity germicidal UV-C light applied at a known wavelength and for a known duration. The intent is to allow the user to position their non-critical medical devices and small mobile devices inside the Germicidal Enclosure for the disinfection process. Operation of the system is to take place outside of sterile fields and by personnel performing their duties outside of sterile fields. Typical operating personnel are trained professionals, including but not limited to, physicians, nurses, technicians and environmental services staff.

### System User Safety Controls

The KR-31 Germicidal Enclosure has multiple safety controls and mechanisms to ensure that users are protected against exposure to UV-C light. The outer casing has an easily accessible power switch. The unit will automatically turn off the UV lamps when the door is opened. Additionally, the unit may be unplugged to disconnect power from the light source.



**WARNING:** Do not intentionally bypass any of the safety precautions built into the device. Failure to comply may result in exposing skin or eyes to UV-C light.

## **Procedures for Disposal of UVC Lamps**

AUVS technology uses lamps with lower mercury content than typical overhead lighting, and cleaning should follow the practices required by your facility and in accord with applicable regulations. As a guideline, if lamps are broken, ventilate the area where the breakage occurred. Clean up with mercury vacuum cleaner or other suitable means that avoid dust and mercury vapor generation. Take usual precautions for collection of broken glass. Clean up requires special care due to mercury droplet proliferation. Place materials in closed containers to avoid generating dust. It is the responsibility of the generator to ensure proper classification of waste products. To that end, TCLP tests should be conducted on all waste products to determine the ultimate disposition in accordance with all applicable federal, state and local regulations.

## **Special Handling Information for Broken UVC Lamps**

**Ventilation:** Use adequate general and local exhaust ventilation to maintain exposure levels below the permissible exposure limit (PEL) or threshold limit value (TLV) limits. If such ventilation is unavailable, use respirators as specified below.

**Respiratory Protection:** Use appropriate NIOSH (National Institute for Occupational Safety and Health) approved respirator if airborne dust concentrations exceed the PEL or TVL limits. All appropriate requirements set forth in 29 CFR 1910134 should be met.

**Eye Protection:** OSHA (Occupational Safety and Health Administration) specified safety glasses, goggles or face shield are recommended if lamps are broken.

**Hygienic Practices:** After handling broken lamps, wash thoroughly before eating, drinking or using the toilet facilities.

In the event that a UV-C lamp arrives in a broken condition and is still inside the protective encapsulation, keep the container sealed and discard the UV Box lamp in accord with the practices required by your facility and with applicable regulations. Contact your carrier for procedures to file a damaged goods claim.

Check your local or regional specific occupational safety standards for any additional procedures or precautions required for the handling of broken UVC lamps.

# Cleaning the KR-31 Germicidal Enclosure



PRECAUTION: Avoid spilling fluids on any part of the KR-31 Germicidal Enclosure.



PRECAUTION: If spills do occur, immediately disconnect the KR-31 Germicidal Enclosure from the power source and contact technical support for guidance in cleaning the device.



WARNING: Always power off the system before cleaning. An electrical shock could occur if the device is powered on and liquid is spilled into it.

To clean the OUTSIDE of the KR-31 Germicidal Enclosure without physical or cosmetic degradation, use a clean, lint-free cloth moistened with one of the following:

- Phenolic Disinfectant Cleaner (meets VII.d.4 of AORN recommendation)
- 1 part household bleach and 5 parts water (meets VII.e.2 of AORN recommendation)
- A-456-N Disinfectant
- Virex 256 Disinfectant
- Isopropyl Alcohol, 70% solution

The following pre-moistened disposable cloths may also be used for cleaning the OUTSIDE of the Device.

- PDI Sani-Cloth HB
- PDI Sani-Cloth PLUS
- PDI Super Sani-Cloth

To clean the INSIDE of the KR-31 Germicidal Enclosure without physical degradation, use only a clean lint-free cloth moistened with a mixture of alcohol and water (1:1). Residues of alcohol based cleaning products should be wiped away with a clean lint-free cloth moistened with water. Allow the device to dry completely before operating again.



PRECAUTION: Apply cleaning agents to a clean, lint-free cloth **first** and then clean the device. Liquid sprayed or applied directly to the device could possibly leak inside and cause damage.



WARNING: Advanced Ultra-Violet Systems makes no claims regarding the efficacy of the listed chemicals or methods as a means of controlling infection. Consult your facility's infection control officer or epidemiologist.

# Specifications and Warranty Information

## Warranty

The AUVS KR-31 Germicidal Enclosure is warranted for two (2) years from the date of delivery to the customer's facility. All parts and labor are covered under this period, excluding damage due to abuse by the user.

## Specifications

KR-31 Germicidal Enclosure Specifications	
Overall Dimensions	33 1/8" H x 35 1/4" D x 33 3/16" W
Useful Enclosure Dimensions	24" H x 31" D x 31" W
Weight	125 lbs.
Power	120V AC, 60 Hz, 3 Amps, 360 Watts
Light Source	Mercury Germicidal UV Lamps (4)
Wavelength	>85% Output at 253.7 nm
Lamp Life	6,000 hours

# **Quick Start Guide**

## **KR-31XL Model**

## Overview

### Key Components

- Upper and Lower Latch
- Handle
- Cycle Start Membrane
- Power switch



### Operating the Cube XL

- Turning Cube on:
  - Using the power cord provided plug in the Cube
  - Flip the power switch on.
  - The Cycle Start Membrane will be lit in the Green area marked power. This indicates that the unit now has power.



- Operating the door
  - To open the door, turn the Upper and Lower latch Counterclockwise until the latch stops moving freely.
  - Pull-on the handle to gain access to the inside of the cube.
  - Place desired items inside of the cube.
  - Close the door and turn Upper and Lower Latch Clockwise until the latch stops moving freely.

## Operating Instructions

1. Clean visible dirt, moisture, or liquid residue from items to be disinfected per manufacturer's instructions.
2. Place item(s) in the Cube. When disinfecting multiple items, do not stack items or allow sides to touch.
3. Operate desired decontamination cycle

- 1 ½ Minute Cycle (Solid surfaces: Phones, Computers etc.)
  - Operator presses and releases the red Cycle/Start button on the Cycle/Start Membrane
  - The Cycle/Start Membrane will be lit red indicating a cycle is in process and the green light will extinguish.
  - The cycle will take approximately 90 seconds, upon completion the green light will re-illuminate and the red light will go out.
  - When the cycle is complete, the operator may remove items from the cube.



- 5 Minute Cycle (Textile surfaces; Mask, Caps, etc.)
  - Operator presses and holds the red Cycle/Start button on the Cycle/Start Membrane until the green light appears. Once the green light appears, the operator will release pressure on the red Cycle/Start button.
  - The Cycle/Start Membrane will be lit red indicating a cycle is in process and then green light will extinguish.
  - The cycle will take approximately 5 minutes, upon completion the green light will re-illuminate and the red light will go out.
  - When the cycle is complete, the operator may remove items from the cube.
  - When cycle is complete, the cycle time will default back to the 1 ½ minute cycle setting.



- Canceling a Cycle
  - To cancel a cycle, turn the rear power switch off and then back on again.



## Troubleshooting

### Faults

- A fault indicator will occur when the cube is not functioning properly.
- A fault is indicated by both green and red lights flashing.
- Faults should be reported and addressed by the appropriate personnel within your organization.
- Common faults can include a ballast failure or a lamp failure.

### Lamp or Ballast Failure

- When a lamp or ballast fails, the red and green light will flash 3-4 seconds after a cycle has started.
- One flash at a time indicates a problem in sector 1, while a double flash pattern indicates a problem in sector 2.
- Sectors are identified above the ballast located behind the rear panel.
- Visually check for burn marks on the lamps in the appropriate sector.
- Replace lamps as needed.
- Lamps are rated to last 6000 hours. It is recommended to replace both lamps together in a ballast at once.
- If the problem is not in the lamps, then the ballast may need to be replaced.



### Clearing Faults

- Turn unit off and notify proper personnel.
- Diagnose fault.
- Fix the cause of the fault.
- The unit should now power on and operate normally.

### No Power

- When there is no power neither green nor red light will be on.
- The door **MUST** be closed and latched for the unit to receive power.
- Check the power switch is in the on position.
- Check and make sure cord is properly plugged into an outlet with power.
- Check the fuse located in the AC Filter



# **Quick Start Guide**

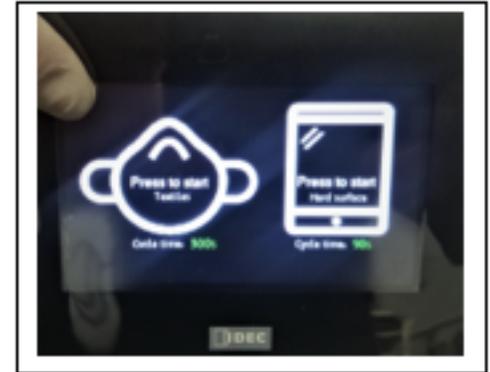
## **KR-31CL Model**

## USING THE HMI MONITOR

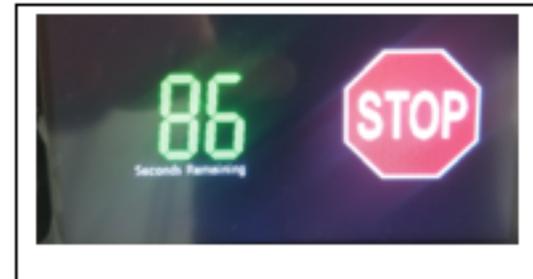
### Main Page

The monitors' main page is designed to be user friendly. The operator has two options to choose from. All the operator needs to do is:

- Place items into the cube.
- Close and latch door completely
- Select one of two options by pressing the icon associated with items in the cube.
  - Textiles such as mask will initiate a 300-second cycle.
  - Hard surfaces such as phones will initiate a 90-second cycle.

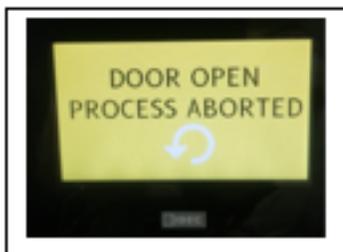


Once a cycle has started, the monitor will display time remaining time and give the operator the option to abort the cycle. At the start of a cycle, the operator will hear a solenoid locking door into place.



**Note: The operator should never attempt to open the door during a cycle.** Attempting to open the door before the cycle has ended can cause damage to the unit.

- If an attempt to open the door is made during a cycle, the cycle will stop and the solenoid locking the door will remain engaged. The monitor will display a yellow screen with the words "Door Opened Process Aborted."



To unlock the door the operator will need to tap the white back button on the yellow screen. This will unlock the unit and take the user to the main page.

## Ending a Cycle

A cycle can be ended in one of three ways (Completed, Aborted, and Fault Interrupt).

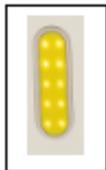
- *Completed Cycle:* Once a cycle has been fully completed the monitor will display a green screen with the words “Process Completed”. The operator can safely remove items from the cube once the process completed screen appears.



- *Aborted Cycle:* The operator can choose to abort a cycle by pressing the stop icon. The stop icon appears once a cycle has been started. When a cycle is aborted, the monitor will display a red screen with the words “Process Aborted”. The operator may remove items from the cube once the process aborted screen appears. Items may not be disinfected if cycle time is not completed.



- *Fault Interrupt:* When a fault occurs with the cube, the cycle will be stopped. The monitor will display a red screen with the words “Process Aborted Maintenance Required”. The operator may remove items from the cube once the process aborted maintenance required screen appears. Items may not be disinfected if cycle time is not completed. Before the cube can be used again, the fault must be addressed and cleared.



The cube is equipped with two yellow indicator lights. These lights will flash when the cycle has been interrupted.

## In Case of Door Jam

If a cycle has completed and the door solenoid has disengaged, but the door has not opened, there is a thumbscrew the operator may use to open door. There is a panel on the side of the unit with two thumbscrews.

- Unscrew the thumbscrew and remove the panel cover.
- Pull the thumbscrew exposed from the removal of the cover.
- Replace panel cover.

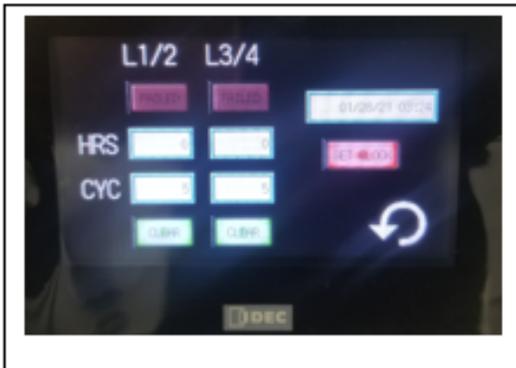


## Clearing Faults

There are two ways a technician can clear a fault.

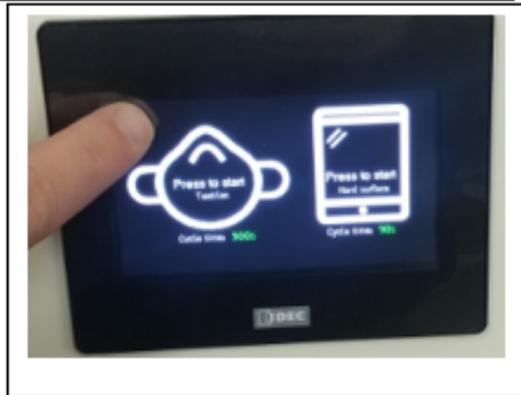
- Turning off the power: When power is turned back on the main page will be displayed. This method will not address any issues with the unit.
- Accessing the Technician Page. The fault and use page will provide information on which lamp or ballast has gone bad. Pressing the back button will return the technician to the Main Page.

## Technician Page



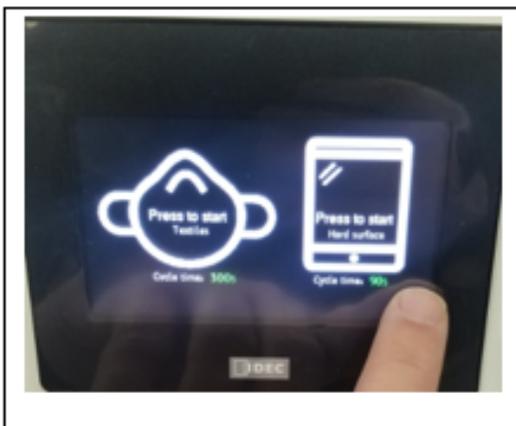
The Technician Page will provide information on which lamp or ballast has gone bad. This page will also display the date, time, hours of use, and the number of cycles.

The technician can clear a fault by accessing the Technician Page and hitting the white back button. Note pressing and holding the clear buttons will reset hours and cycles.

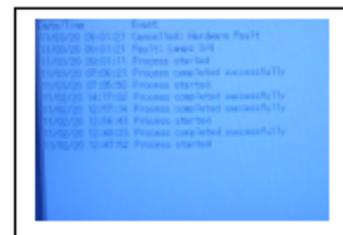


To Access the Technician Page, the technician will press and hold the top left corner on the Main Page.

## Event Log Page



The Event Log page can be accessed by pressing and holding the lower right corner of the Main Page. The Event Log Page will display the date and time of cycles and how they ended. The history page will also display faults that have occurred.



## Updating Software

**Software updates can be loaded onto a USB drive then transferred to the HMI monitor**

- With power off, insert the USB drive into the HMI Monitor
- Turn the power to the Cube on
- The new software will automatically prompt a series of pop-up menus for the user to navigate
- The last pop-up will ask the user to acknowledge the changes
- After the changes are acknowledged, please remove the USB drive

# **Quartz Rod Installation**

## Quartz Rod Installation

Please reference this installation procedure in the event that a Quartz Rod is broken and needs to be replaced.

### Tools Required

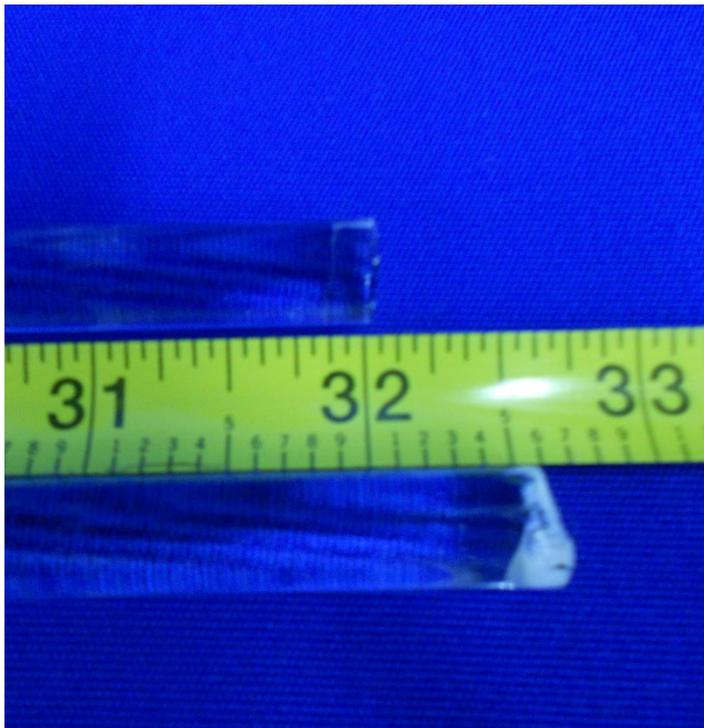
- Phillips Head Screwdriver
- 5/16" Nut Driver
- Gloves



Two-person installation is recommended.

### Materials Provided

- 32.5" Quartz Rods (3)
- 32" Quartz Rods (35)



Care must be exercised when handling quartz rods to avoid damage and smudging.

## STEP ONE

### Remove Side (either left or right side is acceptable) & Rear Panel

- Use Phillips head screwdriver to remove screws from either side panel (Fig. A)
- Remove panel with two people, carefully set aside to avoid scratching finish
- Repeat steps for rear panel (Fig. B)

Note: Plate for power and monitor card does **not** need to be removed

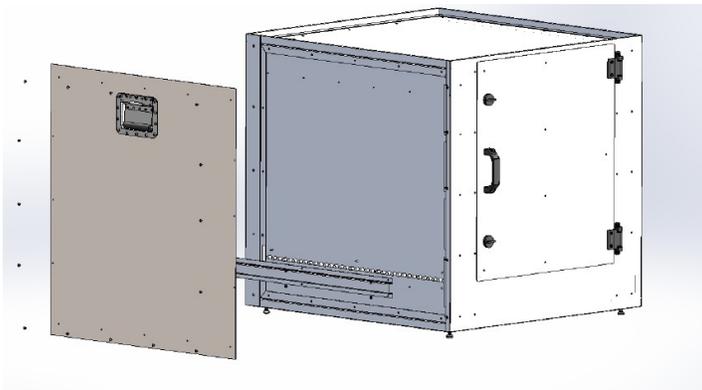
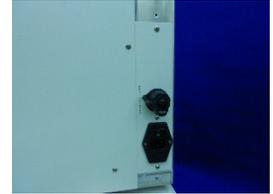


Figure A – Side Panel

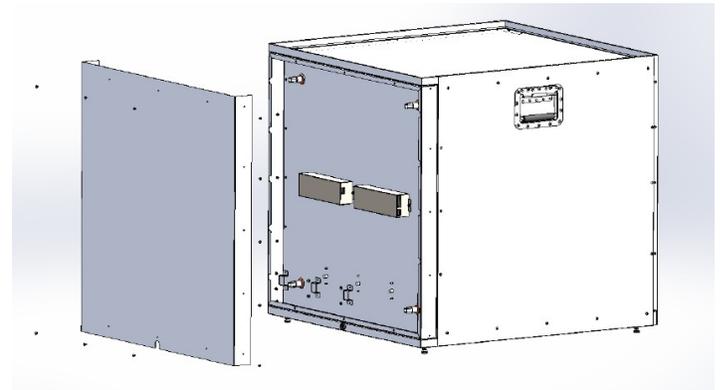
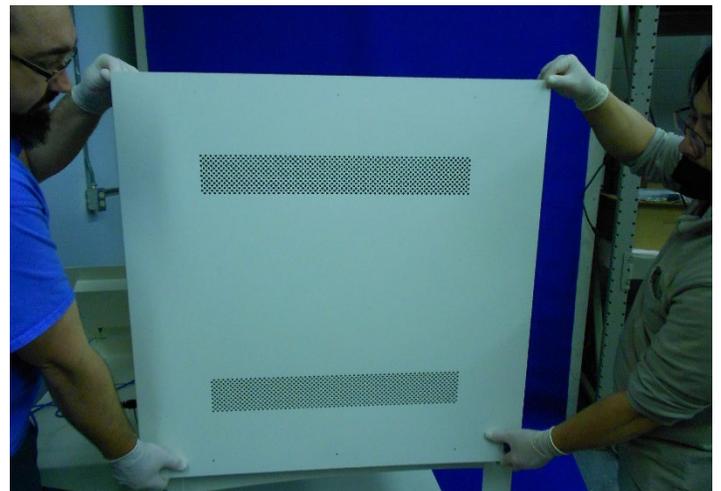


Figure B – Rear Panel



## STEP TWO

### Remove side quartz rod channel & rear quartz rod brackets

- Use 5/16" nut driver to remove quartz rod channel from side of cube (Fig. C)
- Use 5/16" nut driver to remove quartz rod brackets (3) from rear of cube (Fig. D)

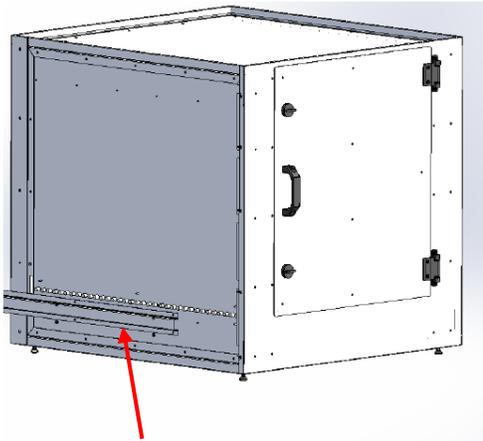


Figure C – Side View of Channel

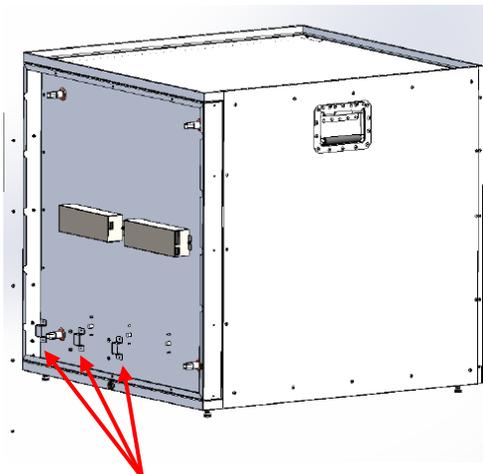
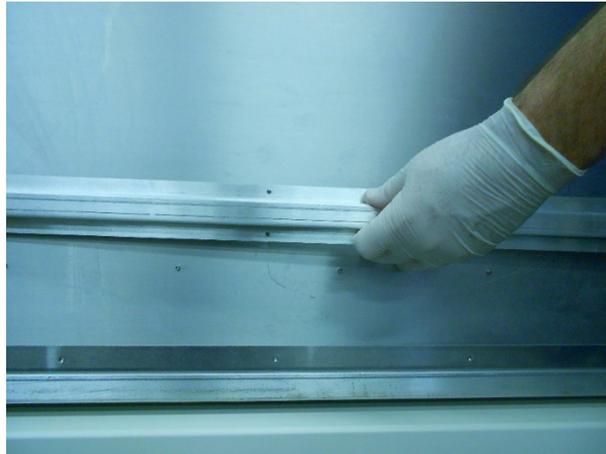
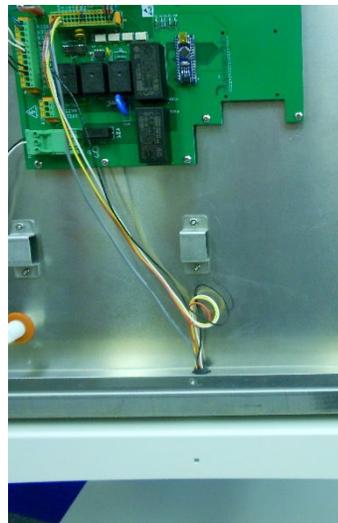


Figure B – Rear View of Brackets



## STEP THREE

### Insert quartz rods, starting from the rear first



Gloves should be worn when handling quartz rods

- Identify and separate:
  - 32.5" quartz rods (3 included)
  - 32" quartz rods (35 included)



- Install (3) 32.5" quartz rods from rear of unit first
  - Use a helper to guide the rods through the unit to the holes in the front
- Next install (35) 32" quartz rods from the side of the unit into the opposite side
  - Work back to front, guiding side rods over top of the rear rods



## STEP FOUR

### Re-install side quartz rod channel, rear quartz rod brackets and panels

- Use 5/16" nut driver to install quartz rod channel on side of cube (Fig. C)
- Use 5/16" nut driver to install quartz rod brackets (3) on rear of cube (Fig. D)

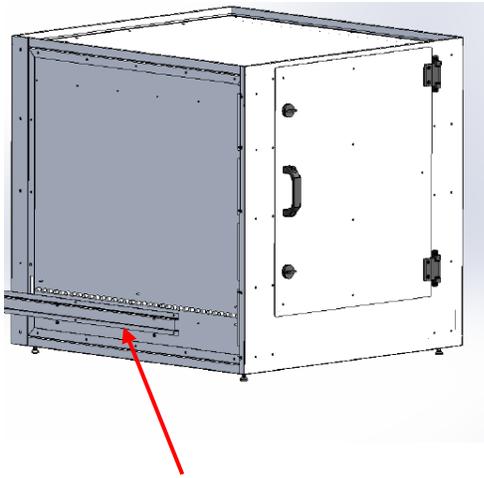


Figure C – Side View of Channel

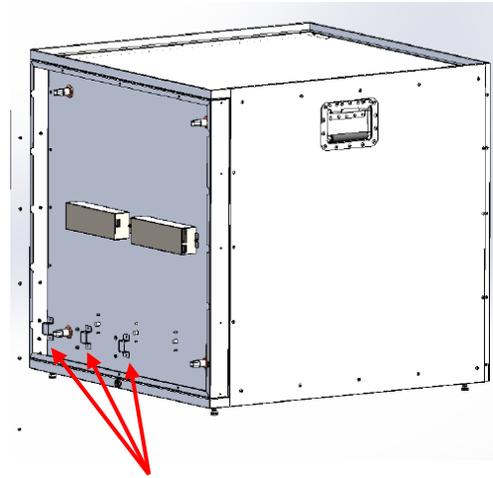


Figure B – Rear View of Brackets

- Use Phillips head screwdriver to re-install side panel (Fig. A) & rear panel (Fig. B)

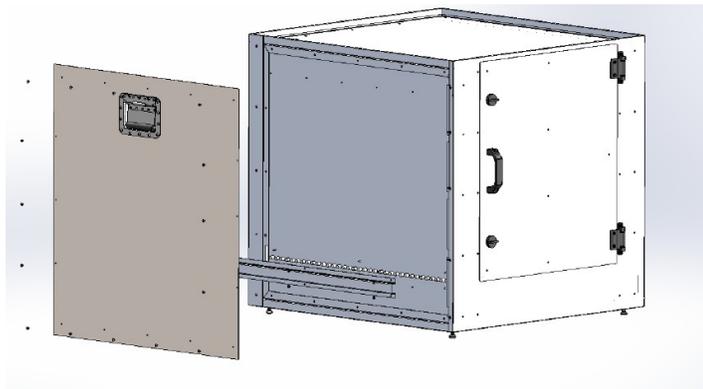


Figure A – Side Panel

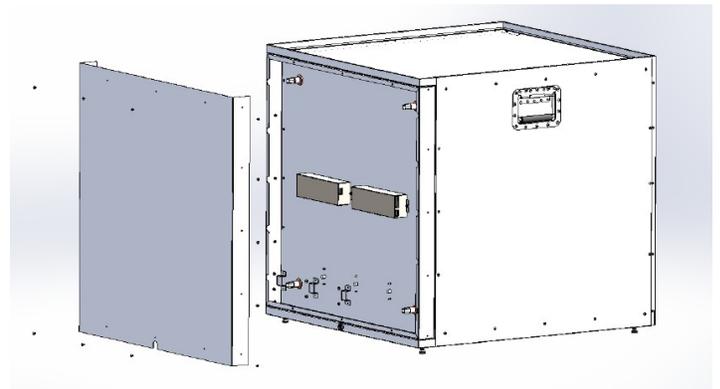


Figure B – Rear Panel

**QUARTZ ROD INSTALLATION COMPLETE**

# **Lamp Installation**

## Lamp Installation

The KR-31 Germicidal Enclosure ships with four (4) UV lamps installed. Please reference this installation procedure in the event a UV lamp needs to be replaced. In order to access the UV lamps, the Quartz Rods must first be removed.

### Tools Required

- Phillips Head Screwdriver
- 5/16" Nut Driver
- Gloves
- Petroleum Jelly Lubricant



Two-person installation is recommended

### Materials Provided

- 32.5" Quartz Rods (3)
- 32" Quartz Rods (35)



Care must be exercised when handling quartz rods and UV lamps to avoid damage and smudging



Oils from fingertips, or other debris on lamps can shorten lamp life

## STEP ONE

### Remove Side (either left or right side is acceptable) & Rear Panel

- Use Phillips head screwdriver to remove screws from either side panel (Fig. A)
- Remove panel with two people, carefully set aside to avoid scratching finish
- Repeat steps for rear panel (Fig. B)

Note: Plate for power and monitor card does **not** need to be removed

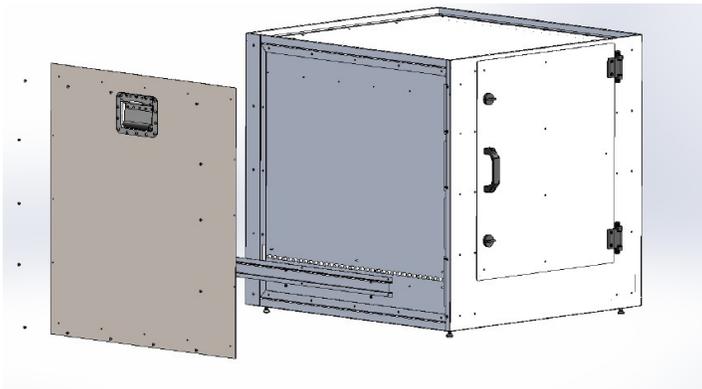
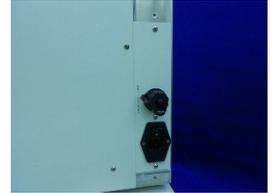


Figure A – Side Panel

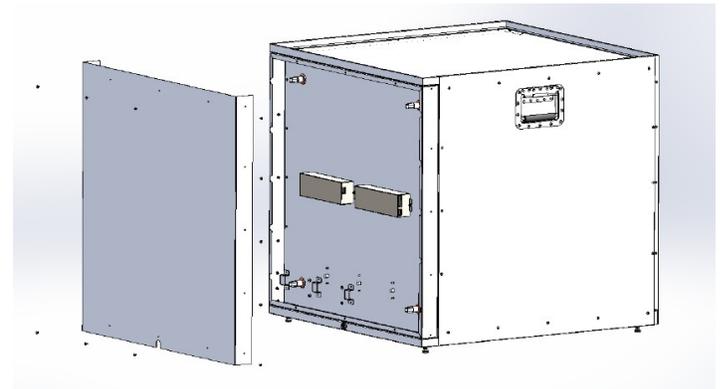
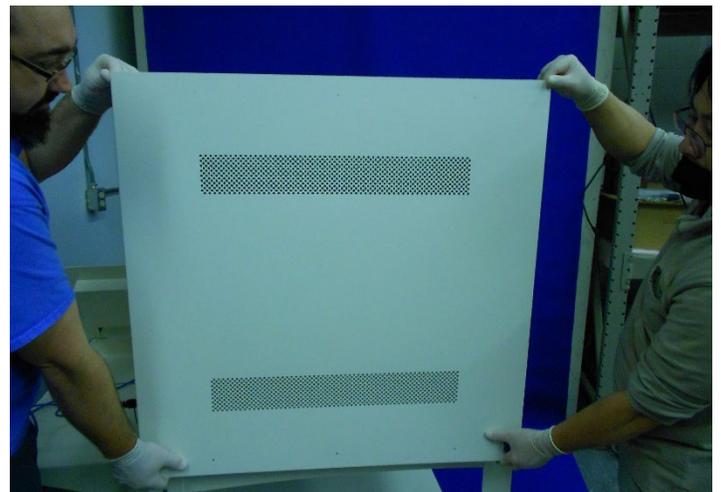


Figure B – Rear Panel



## STEP TWO

### Remove side quartz rod channel & rear quartz rod brackets

- Use 5/16" nut driver to remove quartz rod channel from side of cube (Fig. C)
- Use 5/16" nut driver to remove quartz rod brackets (3) from rear of cube (Fig. D)

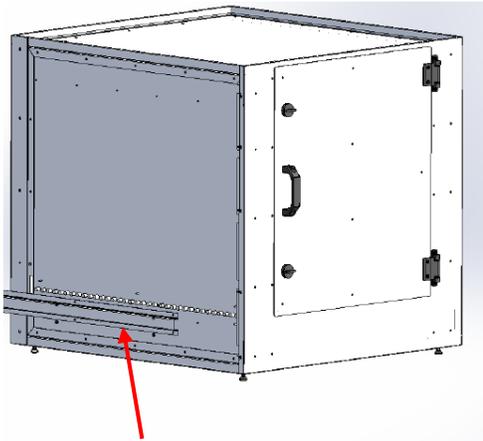


Figure C – Side View of Channel

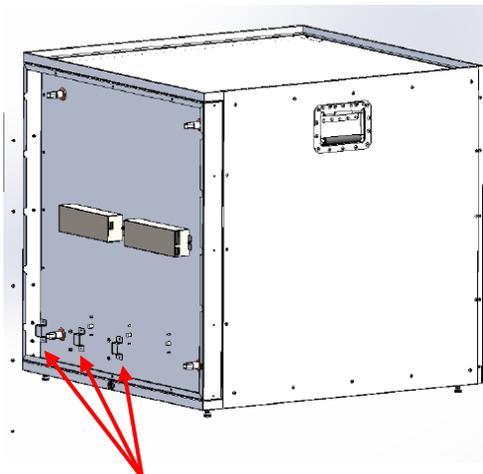
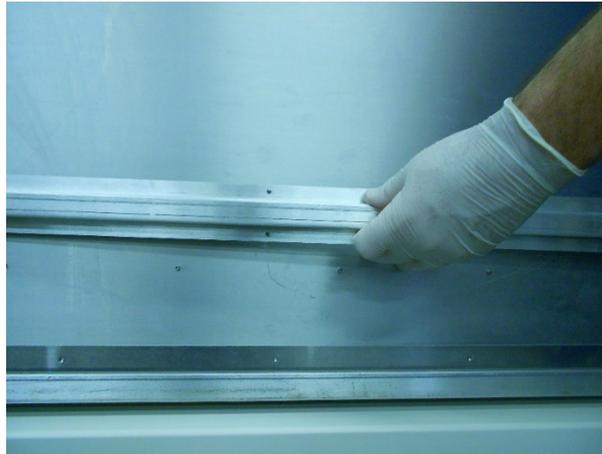
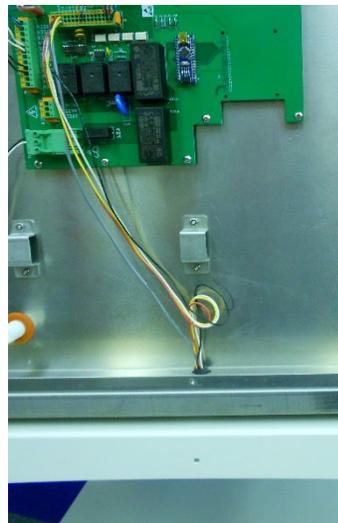


Figure B – Rear View of Brackets



## STEP THREE

### Remove quartz rods, starting from the side first



Gloves should be worn when handling quartz rods

- Remove 32" quartz rods (35 total) from inside of Cube through the holes exposed from bracket removed on the side
  - Use a helper to guide the rods out of the Cube
  - Start from the front of the Cube and work towards the rear
- Next remove 32.5" (3 total) quartz rods from the side of the unit through holes exposed from brackets removed on the rear of the Cube
  - Use a helper to guide the rods out of the Cube
- Place rods in a safe location to prevent damage



## STEP FOUR

### Lubricate each end of the lamps with petroleum jelly



Gloves should be worn when handling UV lamps

- Place a light coating of petroleum jelly lubricant to both the pin side and cap side of the UV lamps
- Use a helper without gloves to apply the lubricant



Do not allow lubricant to touch lens of lamp



## STEP FIVE

### Insert lamps into the Cube



Gloves should be worn when handling quartz rods

- Guide the pin side of lamp through the rear lamp hole
  - Have a helper stand at the rear of the Cube to help keep the rubber gromet in place
  - Twist the lamp as it goes through the hole
- Push enough of the lamp through the hole so cap side of lamp can line up with holes on the front of the Cube



- Once the cap end of the lamp is aligned with the hole in front of the Cube, the helper can assist pushing the lamp into place
- The lamp should be pushed all the way to the front wall of the Cube
- The white portion of the pin end of the lamp will stick out about  $\frac{3}{4}$ " from gromet



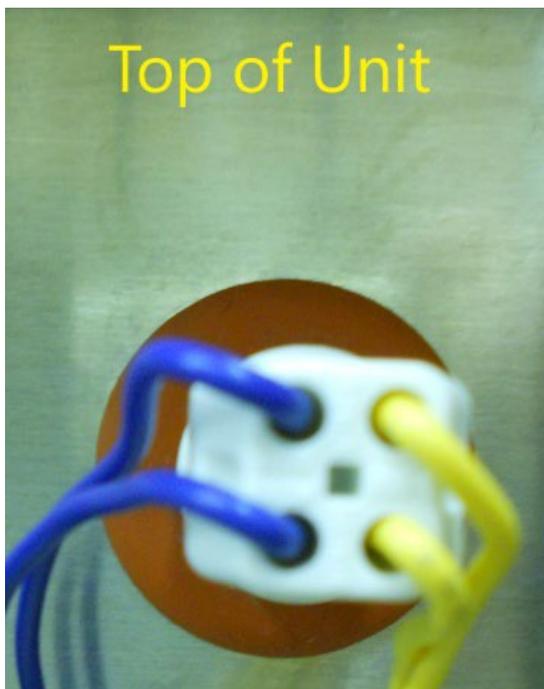
## STEP SIX

### Connect plug to lamp pins



Gloves should be worn when handling quartz rods

- Clean any remaining lube off of the lamp pins
- Position lamp pins so they are square to the top and side of the Cube
- Plug lamp socket onto lamp pins as show in the picture



## STEP SEVEN

### Insert quartz rods, starting from the rear first



Gloves should be worn when handling quartz rods

- Identify and separate:
  - 32.5" quartz rods (3 included)
  - 32" quartz rods (35 included)



- Install (3) 32.5" quartz rods from rear of unit first
  - Use a helper to guide the rods through the unit to the holes in the front
- Next install (35) 32" quartz rods from the side of the unit into the opposite side
  - Work back to front, guiding side rods over top of the rear rods



## STEP EIGHT

### Re-install side quartz rod channel, rear quartz rod brackets and panels

- Use 5/16" nut driver to install quartz rod channel on side of cube (Fig. C)
- Use 5/16" nut driver to install quartz rod brackets (3) on rear of cube (Fig. D)

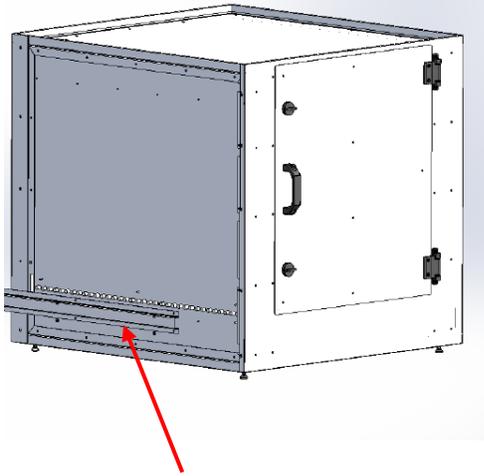


Figure C – Side View of Channel

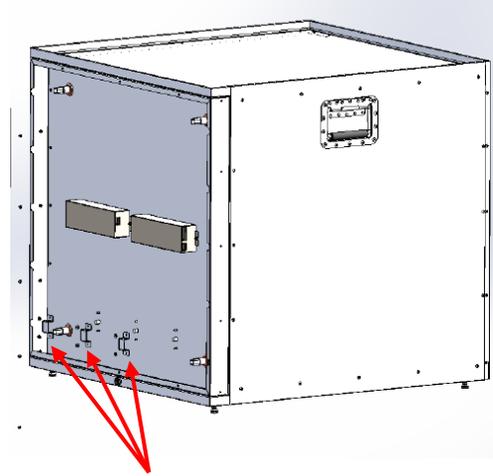


Figure B – Rear View of Brackets

- Use Phillips head screwdriver to re-install side panel (Fig. A) & rear panel (Fig. B)

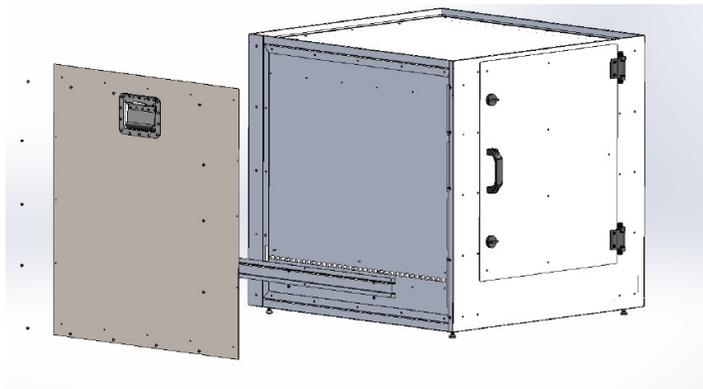


Figure A – Side Panel

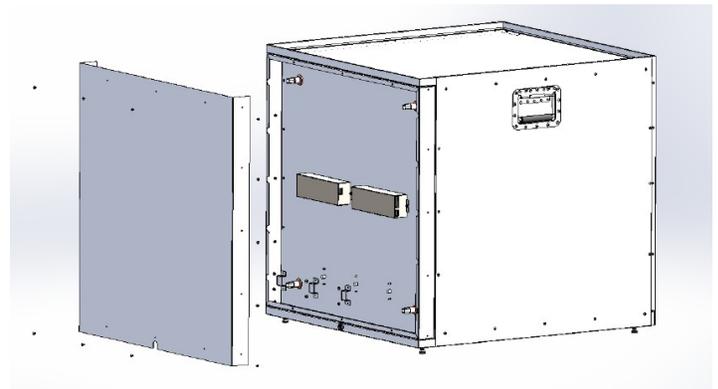


Figure B – Rear Panel

**LAMP INSTALLATION COMPLETE**

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