

SURFACE DISINFECTION

EXERGIA

MICROWAVE UV STERILIZER BAR



It's a disinfection germicidal lamp. The lamp functions with electrodeless fluorescent tubes, which are not affected by electrode oxidation making it last longer than the conventional tubes. Its 304 stainless steel composition not only makes it anti-corrosion & anti-rust but also reduces UV blockage, enhancing its efficiency. It also helps in heat dissipation. UV + Ozone combination manages to cross over obstacles – ozone does 360° infection by reaching dead angles not exposed to UV.

Disinfection principle: It radiates two kinds of UV rays – 185 nm and 253.7 nm. While the first one stimulates the oxygen in the air, generating oxidative ozone that destroys the metabolism of bacteria and microorganisms, the other is a high-intensity UV radiation that destroys the DNA & RNA of microorganisms, prohibiting any further reproduction.

PRODUCT FEATURES

- Dual disinfection – UV + Ozone
- 50% less power consumption
- Longer lifespan over traditional tubes
- Automatic timer
- 304 Stainless steel body
- Eliminates odor
- No residue
- Autonomous timing
- Remote control function
- Ceramic insulated lamp holder

PRECAUTIONS

- Avoid direct contact with eyes.
- When disinfection is on, living beings are forbidden in the area.
- After the disinfection process is complete, please ventilate the room for 30 minutes before entering.
- Do not touch the lamp immediately after switching it off.
- Keep food away from the light.
- Fabric, leather goods, paintings, cosmetics etc. should be kept away when disinfection is in progress.

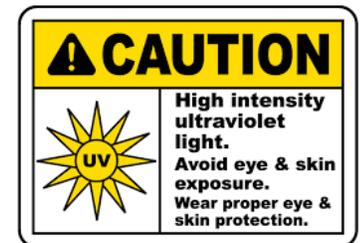
PRODUCT SPECIFICATIONS

PARAMETERS	INDEX
Power	75 W
Voltage	110 - 277 V, 50/60 Hz
Power Factor	> 0.90
Dimensions	34 x 5 x 4 in
Disinfection Time	30, 60, 90 minutes
Wavelength	254 nm
Warranty	1 Year
UV Radiation Intensity	≥ 0.12 $\mu\text{W} / \text{sq ft}$
Ozone Concentration	> 20 mg / m ³ (ozone decomposed to 0 in 60 minutes)
Control Protocol	Two timer options, remote control
Coverage Area	107.63 - 645.83 sq ft
Sterilization Technology	UVC + OZONE
Weight	6.17 lbs
Lamp lifetime	8000 h
Effective Area	646 sq ft
Package Size (2 Pkgs)	38.58 x 7.08 x 6.29 In (1 Set/Carton) 8.37 lbs

HUMANS AND UVC

When it comes to the usage of UVC as a disinfection technology, it is important to be mindful of the following safety guidelines:

- According to FDA guidelines, UV units should always be installed properly by trusted professionals and used by trained individuals only to avoid any risk.
- Before starting the UVC disinfection process make sure the room or the desired area is empty.
- If personnel have to present at the site, the use of personal protective equipment (PPE) is recommended to protect their eyes and skin from any possible risk.
- Never look directly at a UVC lamp, even briefly.
- While excessive exposure to UV can result in damage to the eyes (keratitis and conjunctivitis) and the skin (erythema), most such symptoms usually resolve within 24 to 48 hours. Most of the UVC gets absorbed by the outer dead layer of the human skin that minimizes the risk.
- According to CDC and NIOSH, for UVC at wavelength 253.7 nm, the recommended exposure limit (REL) is 6 mJ/cm² for a daily 8-hour work shift.
- Prolonged exposure to UV can cause photo degradation of organic and synthetic materials such as plastic, polymers and dyed textile.
- Some UVC lamps contain mercury that is toxic even in small quantities. Hence, extreme caution is required when such lamps break to either clean them or to dispose them.
- Hang a warning sign outside the room while UVC cycle is running.
- Use UVC devices with wireless control systems as much as possible.



ORDERING INFORMATION

SKU	Product Codes
662187548869	AX-EXRGI-SD-UV-PT-0075W
	AX - Axenic
	EXRGI - EXERGIA
	SD - Surface Disinfection
	UV - Ultra Violet Light
	PT - Portable
	XXXXW - Wattage