



BioShield®
Ultraviolet Treatment Systems

24VAC 18 Watt BioShield + Magnetic Holder

sku **MAFABioSL18W**

Where to Use Install in return air, coil, and blower cabinet or supply duct.

What's Included

- 18W UV Lamp
- 24VAC Ballast
- Magnetic Holder
- 3/8" Viewport

Questions? Need help?

www.BioShieldUV.com

(307) 364-0340

Mon - Fri 10 am to 7 pm



EPA Establishment Number 99470-CHN-1

Safety Precautions

- Before installing, performing maintenance or service on the purifier, turn off the main power switch to the unit. **Electrical shock can cause injury or death.** There may be more than one disconnect switch.
- The UV Lamp contains a small amount of mercury. If a lamp breaks, clean and dispose of with care.
- **Never expose eyes directly to UV light.**
- Improper installation, adjustment, alteration, service, maintenance, or use can cause fire, electrical shock, or other conditions which may cause personal injury or property damage. If you have questions or difficulty in installation, please consult with a licensed electrician or contractor.
- Follow all safety codes, wear safety glasses and work gloves. Read all instructions before installation and operation of the unit.
- Do not touch the lamp glass without gloves; it may reduce performance of the lamp. Clean the lamp after handling.

UV-C Lamp Disposal

Visit www.Earth911.com for your local or state waste management program and information about where to dispose of the used UV Lamp. Contact your local hardware or home improvement stores and other retailers who sell UV and fluorescent bulbs. Many stores allow customers to drop off used bulbs for recycling.

If you cannot recycle, and it is acceptable with your local waste management agency, you may seal the bulb in a plastic bag and put in trash for collection.



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Installation must be done by a certified HVAC technician and comply with all national and local electrical and mechanical codes.

Installation Instructions

Before installation turn off HVAC system and ensure all electrical connections are off.

1) Magnetic Bracket & Lamp Installation

1. Find a suitable/desired location
 2. Attach the bulb onto the bracket*
 3. Position the metal bracket onto the back or side wall of air handler
 - If magnet is used, position to metal surface
 - If not using the magnet, self-tapping sheet metal screws may be used (not included)
- *Gloves are recommended to avoid touching UV lamp directly*

2) Power Supply Installation

1. Check that existing transformer can accommodate 1.1 amp draw from UV light
 2. If existing transformer cannot, it is recommended to purchase another dedicated 24V AC transformer
 3. Connect ballast cable connector (4 pins) to UV lamp*
- *Gloves are recommended to avoid touching UV lamp directly*

3) Viewport Installation

1. Determine desired location with no obstruction near the UV lamp on the exterior ductwork
 2. Drill a 3/8" hole
 3. Press the viewport into the hole
 4. Ensure air handler or panels are closed/reassembled
 5. Turn on power and confirm blue light by UV lamp through the viewport **
- ** Verification of power or current can be done with a voltmeter*

Replace UV Bulb Annually

UV lamps should be replaced on an annual basis or when lights cannot be seen. While there still may be blue light visible, the output of the UV light has decreased significantly (the UV-C wavelength is invisible). If no blue lights can be seen, replace bulb.

You can reorder UV bulbs on **www.BioShieldUV.com**
Lamp part number **MAFA24V18BB**

