

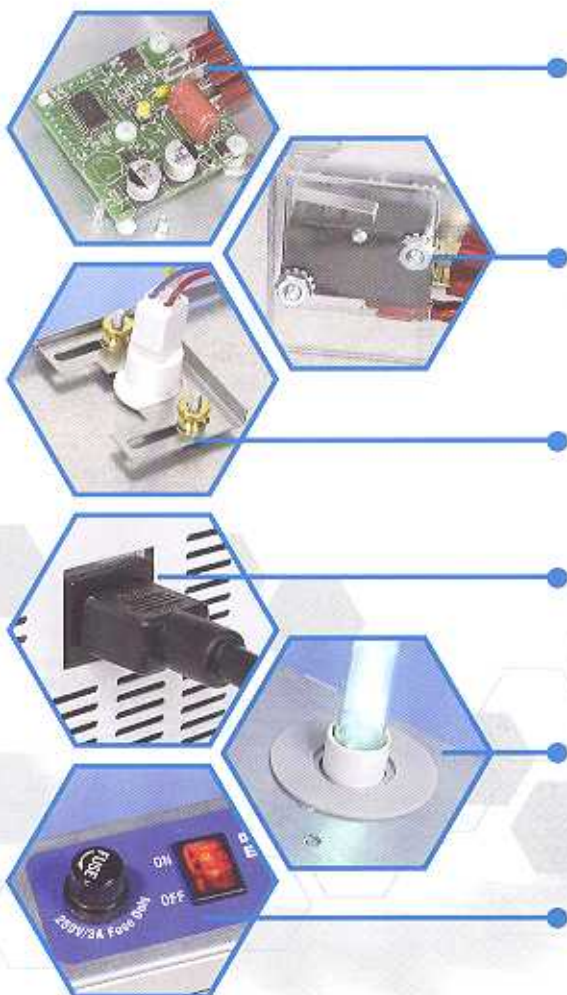
BIO-FIGHTER® TRIAD

Features

- Dual safety system design
- Quick-release lamp retention system
- Very High Output germicidal lamps
- Ozone/germicidal bulbs available
- Lamp Tracker lamp monitor (optional)
- On/Off switch and external fuse
- Air seal gasketing
- ETL safety agency listing to UL 1598
- Limited lifetime warranty
- FDA Class II medical device listing



Safety, power, quick installation, and a computer processor make the Bio-Fighter® Triad the industry benchmark for insert type UV-C fixtures. New, higher output ballasts coupled with patented VHO lamps provide you class-leading UV-C power. Keeping track of the operating time of these high output lamps is the patent pending Lamp Tracker™ technology that uses a computer style processor and pre-programmed software to activate an LED that blinks the number of months the lamp has been in operation. The Lamp Tracker™ also indicates filament status and end of lamp service life.



Computer chip tracks service duration of lamps, monitors lamp operation, and indicates when its time to replace lamps.

Cover interlock prevents unit operation while cover is removed.

User friendly slide-clip lamp retention system makes bulb replacement easier.

Safety-minded cover design requires power cord to be disconnected before removing the cover for maintenance.

Chassis-to-duct gasketing prevents air leaks at the point of bulb insertion.

External fuse and lighted On/Off switch for easy and safe operation of the Bio-Fighter®.

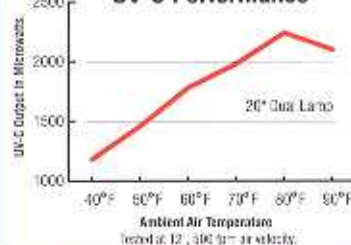
Lamp Tracker™ Lamp Monitor



Bio-Fighter® lamps are custom designed to emit more UV-C than standard lamps.



UV-C Performance



BIO-FIGHTER® TRIAD

Germicidal Ultraviolet Light

Specifications

The Bio-Fighter® Triad assists in preventing the growth of micro-organism contaminants in the HVAC system. To ensure maximum effectiveness, install and maintain the Bio-Fighter® in accordance with installation and maintenance instructions.

Dimensions: See Fig.3

Weight:

1S16/20 - 4.5 lbs. 2S16/20 - 6.75.

Electrical:

The Bio-Fighter® Triad is available in either 120V or 230V power supply models. The unit uses a detachable 6 foot power cord.

Power Ratings: 120V or 240V. 60 Hz.

Full Load Amps: 1S16/20 - .85 Amps. 2S16/20 - 1.7 Amps.

Temperature:

45°F - 150°F (Outside of duct).

UV-C Output ($\mu\text{w}/\text{cm}^2$):

550-1460 depending on model. Tested at 50 F, 12', 500FPM air velocity.

Lamp:

9000 hour lamp life. Ozone-producing lamps available as an option.

Listings:

ETL Safety Agency - File # 2002554

FDA Class II Medical Device

FIFRA - File #73316

(Federal Insecticide Fungicide Rodenticide Act)



Fig. 1 Device may be mounted before or after A-coil in either horizontal or vertical air handling systems.

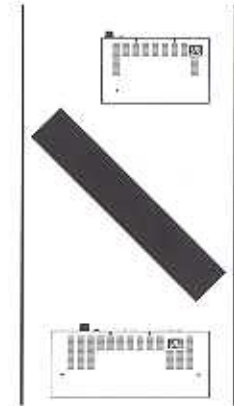
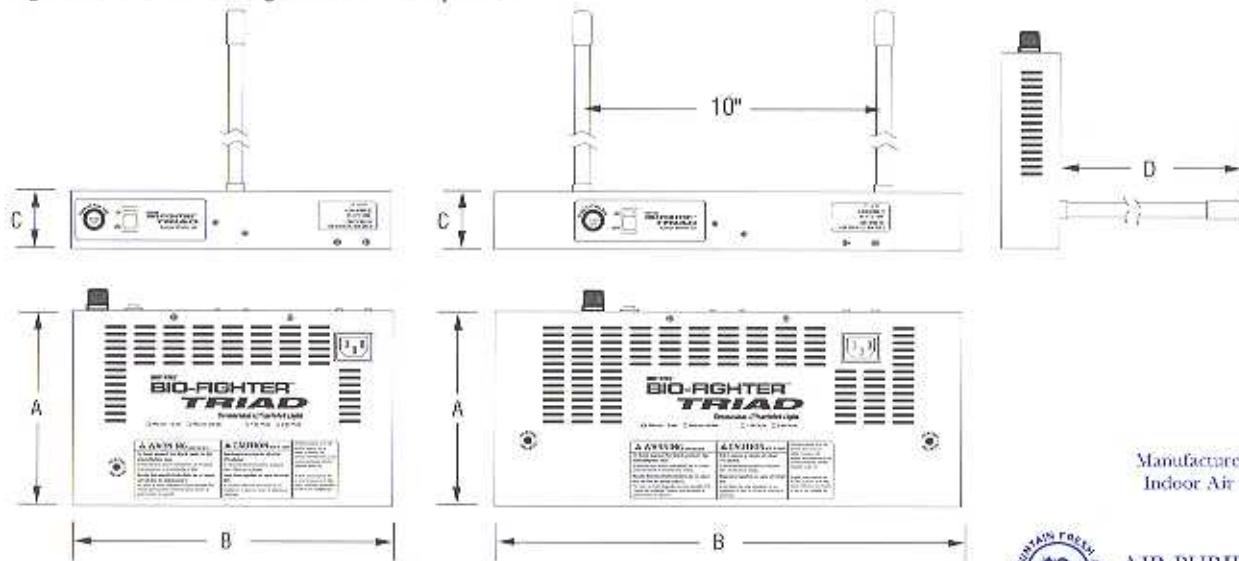


Fig. 2 Device may be mounted before or after slab coil in either horizontal or vertical air handling systems.

Sizing

The single lamp Bio-Fighter® Triad is suitable for slab coil applications 3 tons or less, and 1200 CFM or less. Or where space permits only a single lamp. The dual lamp Bio-Fighter® Triad is suitable for slab coil, A-coil, and return air applications, where space permits dual lamps. For optimum results and maximum UV-C output, dual lamp units are recommended for A-coil and return air applications.

Fig. 3 Dimensions of single and dual lamp Triads.



TRIAD	DIM. A	DIM. B	DIM. C	DIM. D
1S16	6.75"	11"	2"	15.063"
1S20	6.75"	11"	2"	19.25"
2S16	7"	16"	2"	15.063"
2S20	7"	16"	2"	19.25"

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