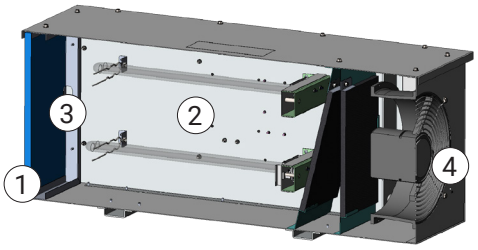
450

Viral Kill for Indoor Dining
Stand Alone

Features and Benefits

- **Utilizes a combination of self-contained ultraviolet light and room temperature oxidation to destroy viruses and Volatile Organic Compounds (VOCs)**
- **Technology recommended by Center for Disease Control and Prevention, FDA and scores of scientists as effective against airborne coronavirus transmission**
- **Safe for use in occupied spaces 24 hours/day**
- **Destroys up to 99.9995% of airborne infectious aerosols in indoor spaces, so diners can come back inside**
- **Treats up to 9,000 cubic feet of air per unit; number of units and locations of each are customized for each restaurant**
- **Easy to clean – no contaminated filters**
- **Easy to install – mounts to ceiling or wall or place on shelf**
- **Bulb life up to 8,800 hours**
- **IoT compatible with OpenKitchen (ConnectWare required)**
- **One-year limited warranty**



1. **Contaminated air inlet**
2. **Airborne infectious aerosols and VOCs are eliminated**
3. **Oxidation catalyst**
4. **Clean air outlet**

Intertek

Intertek

Reduction of MS2
Bluezone by Middleby 450

Bioaerosol Type	Species	Trial ID		15 min.	30 min.	45 min.	60 min.
Virus	MS2 bacteriophage (RNA E. coli phage)	T1	Net Log Reduction Net % Reduction	-1.52 96.9552%	-3.25 99.9439%	-4.25 99.9944%	-5.52 99.9997%
		T2	Net Log Reduction Net % Reduction	-1.48 96.7060%	-3.59 99.9740%	-5.05 99.9991%	-5.20 99.9994%
		T3	Net Log Reduction Net % Reduction	-1.75 98.2128%	-3.34 99.9540%	-4.50 99.9968%	-5.24 99.9994%
Average Net Log Reduction **Average Net % Reduction**				**-1.58** **97.291%**	**-3.39** **99.957%**	**-4.6** **99.9968%**	**-5.32** **99.9995%**

This study was conducted in compliance with FDA Good Laboratory Practices (GLP) as defined in 21 CFR, Part 58 using aerosolized MS-2 bacteriophage, a surrogate for SARS-COV-2, in a room-sized test chamber.

1400 Toastmaster Drive, Elgin, IL 60120
www.bluezone.com | sales@evoamerica.com
(503) 626-1802

BLUezone MIDDLEBY

BZM-1002 / Rev B / January 2021

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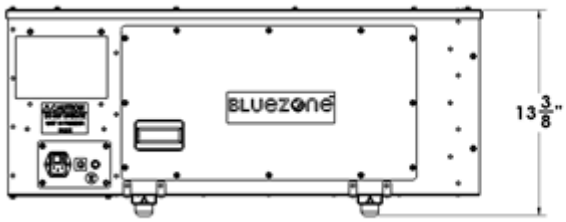

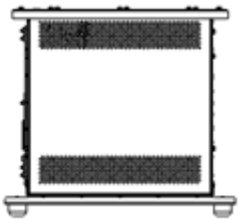

SPECIFICATION CATEGORY	MODEL 450 VIRAL KILL
Size	31” X 14” X 13.375” (787 mm X 356 mm x 340 mm)
Weight	26 lb. (12 kg.)
Input Voltage and Current	120 VAC, 1-phase, 3 amps or 240 VAC, 1-phase, 1.5 amps
Electrical Connection	IEC 320-C13
Operating Environment	34°F-104°F (1°C- 40°C)
Storage Environment	-40°F-150°F (-20°C- 65°C)
Flow Rate	150 CFM
Power	Max 350 watts
Certifications	cETLus Listed, ETL Sanitation, NSF/ANSI 2 Sanitation (Pending), California Air Resource Board (CARB) for no ozone emission
Mounting Options	Hung from ceiling, placed on shelf/rack/cart, or mounted to wall
Shipping	Carton Measurements: 36” X 20” X 20” (914 mm X 508 mm X 508 mm) Total Shipping Weight: 28 lb. (13 kg.)

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