

# MIATECH SOLUTIONS, A PIECE OF THE PUZZLE



Bio Turbo 100



Bio Turbo 300



Bio Turbo 1000



Bio Turbo 6000

## Four Stage Filtration

<u>Step 1:</u>	Air Filter.
<u>Step 2:</u>	Cell Destruct Filter.
<u>Step 3:</u>	Generation Chamber destroys Ethylene and Airborne Pathogens.
<u>Step 4:</u>	The catalytic Converter removes all the ozone.

## BIO-TURBO Series

### Ethylene Removal & Airborne Pathogen Killer Specification Sheet

#### Features

- Smart LED's for easier service
- Remote On and Off control (except Bio Turbo 100)
- Easy service
- Easy changing of ozone plates and filters
- Four models for proper coverage
- Aluminum and Stainless Steel reactor bed
- Easy to install and operate
- Low maintenance



# Bio-Turbo Specifications

Model	BIO-TURBO 100	BIO-TURBO 300	BIO-TURBO 1000	BIO-TURBO 6000
Maximum volume	Up to 100 cubic meters (3500 cubic feet) per 24 hours	Up to 300 cubic meters (11500 cubic feet) per 24 hours	Up to 1000 cubic meters (43200 cubic feet) per 24 hours	Up to 6000 cubic meters (200000 cubic feet) per 24 hours
Airflow	3 CFM (0.1 CMM)	8 CFM (0.3 CMM)	30 CFM (1 CMM)	200 CFM (6 CMM)
<b>Location Requirements</b>				
Electrical Source	100/115/230 VAC 50-60 Hz	100/115/230 VAC 50-60 Hz	100/115/230 VAC 50-60 Hz	100/115/230 VAC 50-60 Hz
<b>Electrical</b>				
Power	120 or 220 VAC	120 or 220 VAC	120 or 220 VAC	120 or 220 VAC
Power Consumption in Watts	127 Watts	130 Watts	144 Watts	360 Watts
Amp Draw at 120 Volts at 230 Volts	1.2 Amps 0.550 Amps	1.2 Amps 0.550 Amps	1.2 Amps 0.550 Amps	3.0 Amps 1.25 Amps
Power cord	8 ft (2.5m)	8 ft (2.5m)	8 ft (2.5m)	9 ft (3m)
Operating Voltage	24V	24V	24V	24V
<b>Maintenance</b>				
Air Filter	Change every 12 months	Change every 12 months	Change every 12 months	Change every 12 months
Ozone Plate(s)	Change every 12 months	Change every 12 months	Change every 12 months	Change every 12 months
Number of Ozone Plates	1	1	2	4
<b>Specifications</b>				
Dimensions:				
Generation Chamber		10"x12"x10" (25x30x25cm)	10"x12"x10" (25x30x25cm)	15"x15"x15" (38x38x38cm)
Catalytic Converter/Controller	Unit dimensions: 15"x17"x7" (38x43x18cm)	14"x11"x11" (36x28x28cm)	14"x14"x11" (36x36x28cm)	19"x19"x19" (48x48x48cm)
Reaction Chamber		12"x14"x30" (30x36x76cm)	48"x30"x15" (122x76x38cm)	4'x8'x2' (122x244x61cm)
Total Weight	30 lbs (14 kg)	41 lbs (18 kg)	90 lbs (34 kg)	160 lbs (60 kg)
<b>Construction</b>				
Materials	Aluminum – unit cabinet, Stainless Steel – Perforated Generator Plate	Aluminum - Generation Chamber, Catalyst Converter/Controller Stainless Steel – Perforated Generator Plate Aluminum–Reaction Chamber	Aluminum - Generation Chamber, Catalyst Converter/Controller Stainless Steel – Perforated Generator Plate Aluminum–Reaction Chamber	Aluminum - Generation Chamber, Catalyst Converter/Controller Stainless Steel – Perforated Generator Plate Aluminum–Reaction Chamber
<b>Controls</b>				
	N/A On/Off switch	Remote control On/Off switch	Remote control On/Off switch	Remote control On/Off switch