

# PRODUCT SUBMITTAL

# Matterhorn 1000



## APPLICATION

The Matterhorn 1000 ionization system is intended to be mounted in the supply duct or air handler of a heating, cooling, or ventilating system. The unit is intended to operate only when air flow is present, thus, power to the ionization unit should be interlocked with fan operation, or controlled via an air pressure switch. The size and number of ionization systems is dependent upon the airflow, size of the space, and severity of the pollution and odors. Ionization can be adjusted with a 5-step knob.

**Optional:** Air Pressure Switch; Mounting Bracket; Timer; Remote Monitoring Panel

Figure 1

	Tube Size	Tube Number	Flowrate (CFM)	Inches of WG	Pascals Pa	Steady State mA
M-1000	C	(1)	1000	0.0004	0.01	34.00
	D	(1)	1500	0.0040	1.00	35.00
	E	(1)	2000	0.0040	1.00	35.00
	F	(1)	2500	0.0120	2.99	37.00

## SPECIFICATIONS

### General Product Information

Air Flow Rating	Up to 2500 CFM
Pressure Drop	See Figure 1
Housing Material	Flame-Rated, High Impact ABS (Underwriters Laboratories Inc. pending as plenum-rated per UL 1995, 867; file # 313742. Energy Star Certified.)
Weight	6.0 lbs
Max Operation Temp.	200°F (~93°C)

### Electrical

Rated Voltage	115 – 120 VAC
Frequency	50/60 Hz
Power Consumption	6 Watts
Current Draw	37 mA
Internal Fuse	1.0 Amp FST Glass 5mm x 20mm
Field Electrical Connection	Field Electrical Connection; 3-Wire to Jct. Box or Country Specific Cord-Set

### Ionization Tube

Material	Mono-Core Composite
Max Quantity	Up to Two (2)
Compatible Tube Sizes	C, D, E, & F
Estimated Tube Life	2 Years or 17,600 Hours

### Dimensions

8.75" x 8.5" x 4" See Figure 2 for more details

### Approvals

Underwriters Laboratories Inc. pending as plenum-rated per UL 1995, 867; file # 313742. Energy Star Certified.

Figure 2

