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 knob.

Optional/Available:

- Air Switch
- Mounting Bracket
- · Remote Monitoring Panel

Figure 1

	Tube Size	Tube Number	Flowrate (CFM)	mm/inch of WG	Pascals Pa	Steady State mA
M-1000	С	(1)	1,000	0.0102mm 0.0004"	0.01	34.00
	D	(1)	1,500	0.10156mm 0.0040"	1.00	35.00
	E	(1)	2,000	0.10156mm 0.0040"	1.00	35.00
	F	(1)	2,500	0.3048mm 0.0120"	2.99	37.00

SPECIFICATIONS

General Product Information				
Air Flow Rating	Up to 2,500 CFM			
Pressure Drop	Minimal			
Housing Material	Flame-Rated, High Impact ABS			
Weight	2.72 kg (6.0 lbs)			
Max Operation Temp.	65.6°C (150°F)			
Electrical				
Rated Voltage	120 VAC			
Frequency	50/60 Hz			
Power Consumption	5 Watts			
Current Draw	0.2 Amps (200 mA)			
Fuse	1.25 Amp			
Field Electrical Connection	Wire to Junction Box or Country Specific Cord-Set			
Ionization Tube				
Material	Multi-Core Composite			
Quantity	Up to Two (2)			
Compatible Tube Sizes	C (177.8mm) (7") D (243.8mm) (9.6") E (355.6mm) (14") F (558.8mm) (22")			
Estimated Tube Life	17,600 Hours (Two Years)			
Dimensions	See Figure 2 for more details			
Approvals				

CE, UKCA and Intertek ETL to UL Standards: 2998, 1995, 867, 867A; CSA 22.2; Zero Ozone Emissions, Heating & Cooling Equipment, Electrostatic Air Cleaners, Commercial/Industrial Indoor Air Quality.

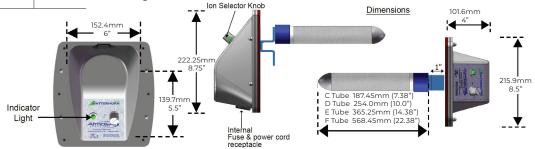


Figure 2