

PRODUCT SUBMITTAL

Matterhorn 1002



APPLICATION

The Matterhorn 1002 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-1002	C	(2)	2,000	0.2032mm 0.0080"	2.00	34.00
	D	(2)	3,000	0.6121mm 0.0241"	6.00	35.00
	E	(2)	4,000	1.2243mm 0.0482"	12.00	35.00
	F	(2)	5,000	1.7348mm 0.0683"	17.00	37.00

Figure 2



SPECIFICATIONS

General Product Information

Air Flow Rating	Up to 5,000 CFM
Pressure Drop	Minimal
Housing Material	Flame-Rated, High Impact ABS
Weight	2.83 kg (6.25 lbs)
Max Operation Temp.	65.6°C (150°F)

Electrical

Rated Voltage	120 VAC
Frequency	50/60 Hz
Power Consumption	6 Watts
Current Draw	0.4 Amps (400 mA)
Fuse	1.25 Amp

Field Electrical Connection Wire to Junction Box or Country Specific Cord-Set

Ionization Tube

Material	Multi-Core Composite
Quantity	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.

