**AtmosAir Matterhorn 1002**

**SPECIFICATIONS**

Air Flow Capacity...........................................up to 5000 CFM
Pressure Drop..............................................minimum (see Fig. 1)
Housing Material...........Flame-rated, High Impact Strength ABS
Weight..........................................................6 pounds
Maximum Operation Temperature..................200° F (60° C)

**ELECTRICAL**

Voltage........................................................115 or 230 VAC
Frequency......................................................60 Hz
Power Consumption........................................5 watts
Current Draw..................................................0.2-0.3 amps
Internal Fuse................................................1.0 amp
Field Electrical Connection.........................NEMA 15 Receptacle

**IONIZATION TUBE**

Material..............................Multi-core Composite, Stainless Steel
Number..................................................Two (2)
Size...........................................................C (7") D (9.5") E (14") F (21")
Tube Life................................................17,600 Hours*

*dependant on conditions and annual tube cleaning

**DIMENSIONS**

see Figure 2

**APPROVALS**

Underwriters Laboratories Inc. with 500 power cord are all UL listed per standard 2043, 1995 and 867 as plenum-rated per UL 1995, 867; file # 313742. Energy Star Certified.

**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 dependant upon the airflow, size of the space, and severity of the pollution and odors. Ionization can be adjusted with a 5-step knob.

**OPTIONAL ACCESSORIES**

Air Pressure Switch; Mounting Bracket; Timer; Remote Monitoring Panel

**FIGURE 1**

Pressure Drop vs. Duct Velocity

**FIGURE 2**

Duct Cut-Out

Dimensions

- C Tube.....7” / 278 mm
- D Tube.....9.5” / 241 mm
- E Tube.....14” / 356 mm
- F Tube.....21” / 533 mm