AtmosAir 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 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

DIMENSIONS

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

SPECIFICATIONS

Air Flow Capacity........................................up to 2500 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...............................................................One (1)
Size.................................................................C (7") D (9.5") E (14") F (21")
Tube Life...........................................................17,600 Hours*
*dependant on conditions and annual tube cleaning

APPROVALS

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