APPLICATION

The AtmosAir 500FC 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

SPECIFICATIONS

Air Flow Capacity: up to 10,000 CFM*
Pressure Drop: minimum (see Fig. 1)
Housing Material: 22-gauge powder-coated steel
Weight: 18 pounds
Maximum Operation Temperature: 200° F (60° C)

ELECTRICAL

Voltage: 115 or 230 VAC
Frequency: 60 Hz
Power Consumption: 50 watts
Current Draw: 0.4-0.6 amps
Internal Fuse: 1.0 amp
Field Electrical Connection: Junction Box

IONIZATION TUBE

Material: Multi-core Composite, Stainless Steel
Number: Five (5)
Size: F (21”)
Tube Life: 17,600 Hours*

DIMENSIONS

see Figure 2

APPROVALS

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

FIGURE 1

Pressure Drop vs. Duct Velocity

FIGURE 2

Duct Cut-Out Length

Duct Cut-Out

9”

4¼”

8¼”

4”

26”

24”