

## AtmosAir 500FC



### SPECIFICATIONS;

Air Flow Capacity.....up to 10,000 CFM  
 Pressure Drop..... (see Fig. 1)  
 Housing Material.....22 gauge powder-coated steel  
 Weight.....18 lbs (8.16 kg.)  
 Maximum Operation Temperature..... 160° F (71° C)

### ELECTRICAL

Voltage.....110 to 250 VAC  
 Frequency.....50/60 Hz  
 Power Consumption.....52 watts  
 Current Draw.....0.230 Amps  
 Internal Fuse..... 0.5 Amp  
 Field Electrical Connection..... Nema 5-15 plug or 3 wire to Junction Box

### IONIZATION TUBE

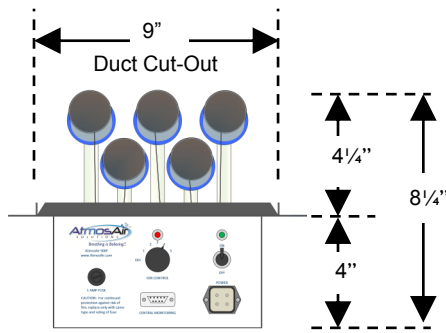
Material.....MultiCore Composite, Stainless Steel  
 Number.....Five (5)  
 Size.....F size = 22" (558mm)  
 Tube Life.....2 Years or 17,600 Hours

**DIMENSIONS**.....see Figure 2

### APPROVALS

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

### FIGURE 2



### APPLICATION;

The **AtmosAir 500FC** ionization system is intended to be mounted in the supply air duct or air handling system of a heating, cooling or ventilation system. The unit is intended to produce bi-polar ions when airflow is delivered over the ion tubes. Power to the unit can be controlled with an optional air pressure differential switch or interlocked with HVAC fan operation, provided the power delivered to the unit does not exceed it's rated voltage. Ionization intensity can be adjusted with a 5 step knob on the unit. Power to the unit can be turned off at the unit or a quick disconnect at the power cord.

### OPTIONAL ACCESSORIES;

Air Pressure Switch; Mounting Bracket; Timer; Remote Monitoring Panel; Remote Ion Switch and Indicator Light; Remote Indicator light Only. IP66

FIGURE 1

	Flowrate (CFM)	Inches WG	Pascal (Pa)
500 FC	8000	0.0080	2.00
	10000	0.0102	2.55

Pressure drop @ 20° C, Density of air = 1.225 kg/m<sup>3</sup>

