

# PRODUCT SUBMITTAL

# 500FC



## APPLICATION

The AtmosAir 500FC ionization system is designed to be mounted in the supply air duct or air handling system of a heating, cooling or ventilation system. The unit produces 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 its rated voltage. Ionization intensity can be adjusted with a five-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/Available:

- Air Pressure Switch
- Mounting Bracket
- Timer
- Remote Monitoring Panel
- Remote Ion Switch and Indicator Light
- Remote Indicator Light Only
- IP66

## SPECIFICATIONS

### General Product Information

Figure 1

500FC	Flowrate (CFM)	mm WG / inch WG	Pascal (Pa)
	10,000	259.1mm x 10 <sup>-3</sup> 10.2" x 10 <sup>-3</sup>	2.00

Air Flow Capacity	Up to 10,000 CFM
Pressure Drop	Minimal
Housing Material	22 Gauge Powder-Coated Steel
Weight	8.16 kg (18 lbs)
Max Operation Temp.	65.6°C (150°F)

### Electrical

Rated Voltage	110/120 VAC or 220/240 VAC
Frequency	50/60 Hz
Power Consumption	17 Watts
Current Draw	0.15 Amps (150mA) / 0.075 Amps (75 mA)
Fuse	T 315mA Glass 5mm x 20mm (120 V) T 200mA Glass 5mm x 20mm (240 V)
Field Electrical Connection	Nema 5-15 Plug or 3 Wire to Junction Box

### Ionization Tube

Material	Multi-Core Composite, Stainless Steel
Max Quantity	Up to Five (5)
Size	F (558.8mm) (22")
Estimated Tube Life	17,600 Hours (Two Years)

### Approvals

CE, UKCA and Intertek ETL to UL Standards: 1995, 867, 867A; CSA 22.2; Heating & Cooling Equipment, Electrostatic Air Cleaners, Commercial/Industrial Indoor Air Quality Systems.

Figure 2

Duct Cut-Out

