PRODUCT SUBMITTAL
SGFC-500

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.
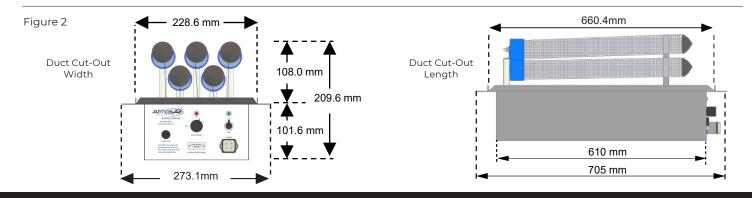
Optional/Available:

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

SPECIFICATIONS

General Product Information

Figure 1

500FC	Flowrate (CMH)	mm WG	Pascal (Pa)
	17,000	259.1mm x 10^{-3}	2.55

Air Flow Capacity	Up to 17,000 CMH
Pressure Drop	Minimal
Housing Material	22 Gauge Powder-Coated Steel
Weight	8.16 kg
Max Operation Temp.	65.6°C

Electrical

Rated Voltage	110/120 VAC or 220/240 VAC
Frequency	50/60 Hz
Power Consumption	52 Watts
Current Draw	0.6 Amps
Fuse	T 0.5 A Glass 5mm x 20mm
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)
Estimated Tube Life	17,600 Hours (Two Years)

Approvals

CE 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 Width
228.6 mm
108.0 mm
209.6 mm
101.6 mm
273.1mm

Duct Cut-Out Length
660.4mm
610 mm
705 mm