

PRODUCT FACT SHEET

SG-500 Series



APPLICATION

The AtmosAir SG-500 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.

SPECIFICATIONS

General Product Information

Figure 1

500EC	Flowrate (CFM)	Inches WG	Pascal (Pa)
	8,000	8.0 x 10 ⁻³	2.00

Air Flow Capacity	Up to 8,000 CFM
Pressure Drop	See Figure 1 above
Housing Material	22 gauge powder-coated steel
Weight	15 lbs (6.8 kg.)
Max Operation Temp.	160° F (71° C)

Electrical

Rated Voltage	110 to 250 VAC
Frequency	50/60 Hz
Power Consumption	52 Watts
Current Draw	0.220 Amps
Internal Fuse	500mA FST Glass 5mm x 20mm
Field Electrical Connection	Nema 5-15 plug or 3 wire to Junction Box

Ionization Tube

Material	Mono-Core Composite, Stainless Steel
Max Quantity	Five (5)
Size	E size = 14" (356mm) (Other sizes Available)
Estimated Tube Life	2 Years or 17,600 Hours

Approvals

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

Figure 2

