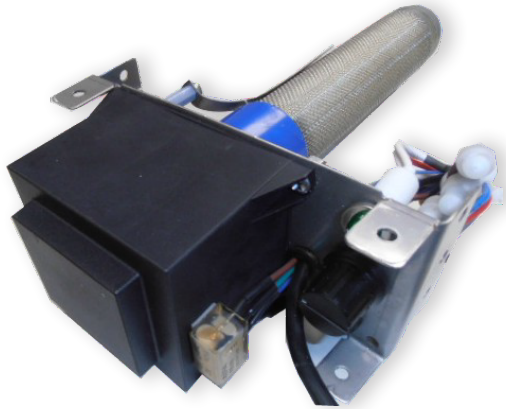


PRODUCT SUBMITTAL

FC-100



APPLICATION

The AtmosAir FC-100 ionization system is intended to be mounted in the supply discharge in smaller air handling systems such as fan coils, heat pumps, RTU's, and other unitary type systems.

The system can be integrated on an OEM basis, or a retrofit package is also available. The unit will be calibrated at the factory per AtmosAir recommendations or the contractor will calibrate the ionization setting to attain ion level readings of between 350 and 1,500 negative ions/cm³ in the space.

SPECIFICATIONS

General Product Information

| | |
|---------------------|---|
| Air Flow Rating | Up to 2,500 CFM |
| Pressure Drop | Minimal |
| Housing Material | 22 Gauge Stainless Steel w/ Integral Universal Mounting Bracket |
| Weight | 1.92 kg (4.25 lbs) |
| Max Operation Temp. | 65.6°C (150°F) |

Electrical

| | |
|-----------------------------|------------------------------------|
| Voltage | 120 or 240 VAC |
| Frequency | 50/60 Hz |
| Power Consumption | 5 Watts |
| Current Draw | 0.2 Amps (0.200 mA) |
| Fuse | 1.25 Amp 120 VAC 1.0 Amp 240 VAC |
| Field Electrical Connection | Junction Box Integrated into AHU |

Ionization Tube

| | |
|-----------|--|
| Material | Mono-Core Composite |
| Number | One (1) |
| Size | C (177.8mm) (7") D (243.8mm) (9.6") E (355.6mm) (14") F (558.8mm) (22") |
| Tube Life | 17,600 Hours (Two Years) |
| Options | Air Switch, 6.35mm (0.25") Four Point Mount Bracket: Horizontal |

Dimensions

See Figure 1

Figure 1

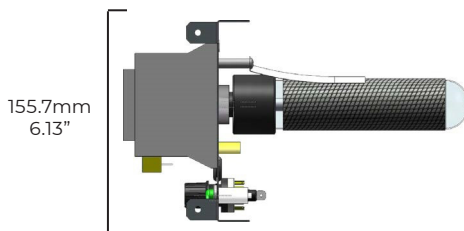
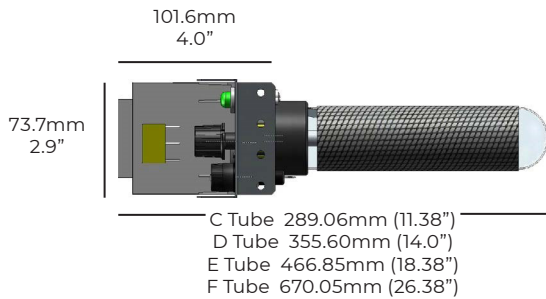


Figure 2

| Duct Size (mm / in) | Pressure Drop (Pa) for various CFM | | |
|--------------------------------|------------------------------------|-----|------|
| | 250 | 500 | 1000 |
| 914.4mm x 914.4mm 36 x 36in | 0 | 0 | 0 |
| 609.6mm x 609.6mm 24 x 24in | 0 | 0 | 0 |
| 457.2mm x 457.2mm 18 x 18in | 0 | 10 | 10 |
| 406.4mm x 406.4mm 16 x 16in | 10 | 10 | 20 |
| 304.8mm x 304.8mm 12 x 12in | 80 | 160 | 810 |