

ATMOSAIR FC100

PRODUCT SUBMITTAL



ATMOSAIR FC100

APPLICATION

The AtmosAir FC100 ionization system is intended to be mounted in the supply discharge in smaller air handling systems such as fan coil, heat pump and other unitary type systems. The system can be integrated on an OEM basis or a retrofit package is also available. Access to the unit's control panel is provided. The unit is intended to operate only when airflow is present. Power to the ionization unit should be interlocked with fan operation or controlled via an air pressure switch. 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 500 and 1,500 -ions/cm³.

SPECIFICATIONS

Air Flow Capacity.....up to 2000 cfm
 Pressure Drop.....See Figure 1
 Housing Material.....22 Gauge Stainless Steel
 Weight.....5 Pounds
 Maximum Operating Temperature.....200° F (60° C)

ELECTRICAL

Voltage.....24 or 115 VAC
 Power Consumption.....5 Watts
 Current Draw.....0.2 Amps
 Frequency.....60 Hertz
 Internal Fuse.....1.0 Amp
 Field Electrical Connection.....Integrated into AHU

IONIZATION TUBE

Material.....Glass, Stainless Steel
 Number of Tubes.....One (1)
 Size.....C- (6") C (7") D (9.5") E (14")
 Tube Life.....8800 Hours

DIMENSIONS.....See Figure 2

APPROVALS

Underwriters Laboratories Inc listed as plenum rated per UL 2043 file #313742. Energy Star Certified

Figure 1 PRESSURE DROP VS. DUCT VELOCITY

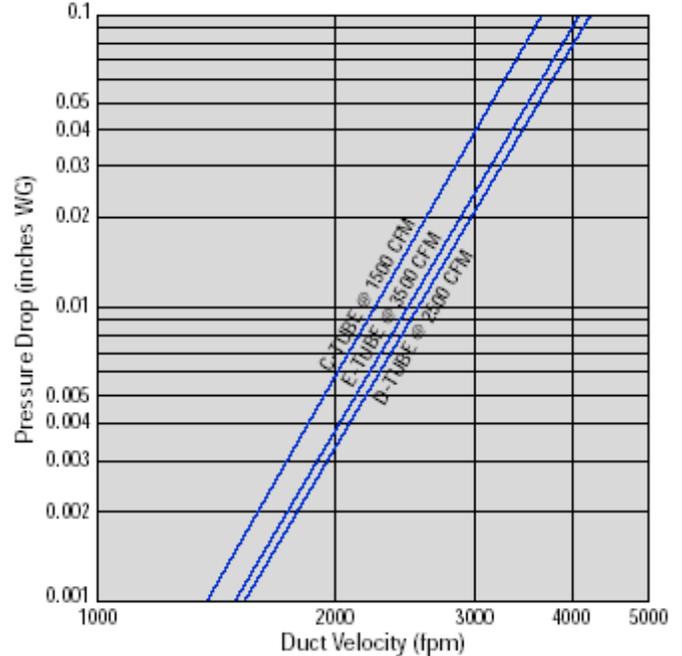


Figure 2

