



**MODEL 50F**

The **Model 50F** can be installed in ductwork utilizing the pre-drilled mounting flange and factory applied gasket. The installer makes a duct cut out and secures the unit to the duct with self-tapping sheet metal screws. The unit can also be installed inside an HVAC unit utilizing a contractor supplied mounting bracket. Power to the unit should be interlocked with system fan operation. The power input fitting provides easy disconnection of the power supply for servicing the unit. A five position ion level control knob varies the ion output between 50% and 100%. A low voltage dry contact and connected cable are provided for remote monitoring of unit operation.

**OPTIONAL ACCESSORY:**

Pressure Differential Switch (AFS) for interlocking with fan operation

**SPECIFICATIONS**

- Airflow Capacity:..... Up to 10,000 CFM
- Pressure Drop:..... See Figure 1
- Housing Material:..... 22 gauge steel
- Weight:..... 18 pounds
- Maximum Operating Temperature:.. 200° F (93° C)
- Electrical:
  - Voltage:..... 115V (51F)/230V (52F)
  - Power Consumption:..... 50 watts
  - Current Draw:..... 0.3A (51F)/0.15A (52F)
  - Frequency:..... 50/60 hertz
  - Internal Fuse:..... 1.0 amp
  - Field Electrical Connection:..... 3/8" flexible metal conduit (BX)

**Ionization Tube:**

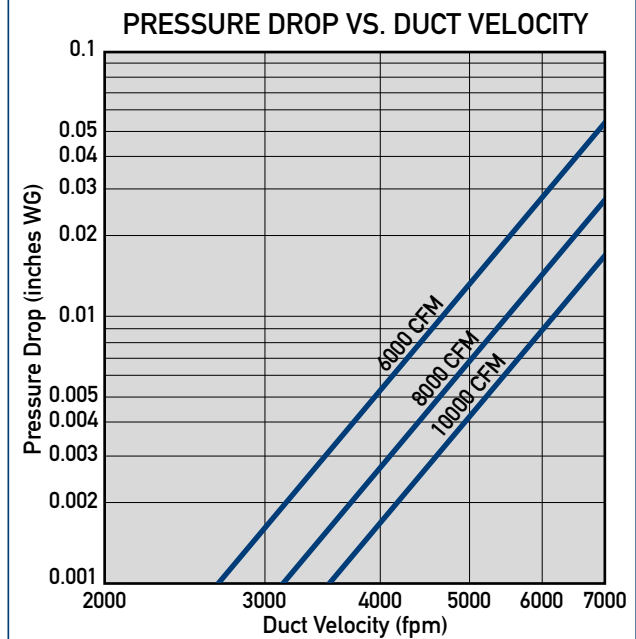
- Material:..... Glass, stainless steel
  - Number of Tubes:..... Five (5)
  - Size:..... F
  - Length:..... 21 inches
  - Life:..... 17,600\* hours
- \*dependent on pollutant, filtration and tube maintenance

**DIMENSIONS:** See Figure 2

**CERTIFICATIONS:**

Underwriters Laboratories Inc. Standards UL867 and UL1995.  
Classified as plenum rated per UL 2043, file #E313835

**FIGURE 1**



**FIGURE 2**

