



**MODEL 50E**

The **Model 50E** can be installed in metal duct utilizing the factory supplied gaskets and pre-drilled flange. The contractor makes a duct cut out and secures the unit 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 permits easy disconnection of the power supply for unit service. A five position ion level switch varies the ion output between 50% and 100%. A low voltage connection and a five foot cable are provided for remote monitoring of unit operation.

**OPTIONAL ACCESSORY:**  
Airflow switch

**SPECIFICATIONS**

- Airflow Capacity: ..... Up to 8,000 CFM
- Pressure Drop: ..... See Figure 1
- Housing Material: ..... 22 gauge steel
- Weight: ..... 15 pounds
- Maximum Operating Temperature: 140° F (60° C)
- Electrical:
  - Voltage: ..... 115V (51E)/230V (52E)
  - Power Consumption: ..... 30 watts
  - Current Draw: ..... 0.25A (51E)/0.13A (52E)
  - 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: ..... E
- Length: ..... 14 inches
- Life: ..... 8,800 hours

**DIMENSIONS:** See Figure 2

**APPROVALS:**

Underwriters Laboratories Inc. listed as plenum rated per UL 2043, file #313835

