The Plasma Air 50 Series Models 51E / 52E 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 inlet 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 is provided for remote monitoring of unit operation.

**OPTIONAL ACCESSORIES:**
- Remote Monitoring Cable
- Pressure Differential Switch (AFS) for interlocking with fan operation

---

**SPECIFICATIONS:**

- **Airflow Capacity:** Up to 8,000 CFM
- **Pressure Drop:** See Figure 1
- **Housing Material:** 22 gauge stainless steel
- **Weight:** 15 pounds
- **Maximum Operating Temperature:** 200º F (93º C)

**Electrical:**

- **Voltage Input:** 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:** 17,600* hours
- *dependent on pollutant, filtration and tube maintenance

**DIMENSIONS:** See Figure 2

**CERTIFICATIONS:**

Underwriters Laboratories Inc. Standards UL 867 and UL 1995. Classified as plenum rated per UL 2043, file #E313835.

---

**FIGURE 1**

**PRESSURE DROP VS. DUCT VELOCITY**

![Pressure Drop vs. Duct Velocity Graph]

**DIMENSIONS NOT TO SCALE**

![Dimensions Diagram]