

Model 1000 - Submittal



The AERISA Model 1000 is a single tube ionizer that produces positive and negative ions to improve air quality. A five position dial allows for ion output (50 to 100%) selection. The unit may be either mounted in a metal supply duct or installed inside an HVAC unit. Using the predrilled housing and sheet metal screws, the Model 1000 mounts into a duct cutout. A mounting bracket (by others) is required for HVAC unit installation. The Model 1000 may accept either 115V AC or 230V AC power and is available with three ionization tube lengths (see Ordering Nomenclature). Power to the Model 1000 may be interlocked directly with the system fan or by using an air flow switch or a pressure switch. An optional AERISA AerPlate is available that provides a junction box, pressure switch and mounting plate into which the Model 1000 is installed.

- Air Flow Capacity:** Up to 3500 CFM
- Pressure Drop:** See Figure 1
- Electrical:**
 - Voltage:** 115V (1X51) or 230V (1X52)
 - Power Consumption:** 8 watts
 - Current Draw:** 0.1A (1X51) or 0.05A (1X52)
 - Frequency:** 50/60 hertz
 - Internal Fuse:** 0.5A (1X51) or Two 0.5A (1X52)
 - Field Connection:** NEMA 15 receptacle

- Ionization Tube:**
 - Number of Tubes:** One
 - Material:** Glass, stainless steel
 - Size:** 150, 250, or 350 (mm nom.)
 - Length:** 7, 9.5, or 14 inches
 - Life:** 8,800 hours

- Housing Material:** 20 gauge stainless steel
- Weight:** 5 pounds
- Maximum Operating Temperature:** 140° F (60° C)

Dimensions: See Figure 2

Optional Accessory:
AerPlate: Air Flow Switch + Mounting Frame + Junction Box

ORDERING NOMENCLATURE

- 1X5Y
- 1 - 115V AC
 - 2 - 230V AC
- 1 - 150 Tube
- 2 - 250 Tube
- 3 - 350 Tube

FIGURE 1: PRESSURE DROP VS. DUCT VELOCITY

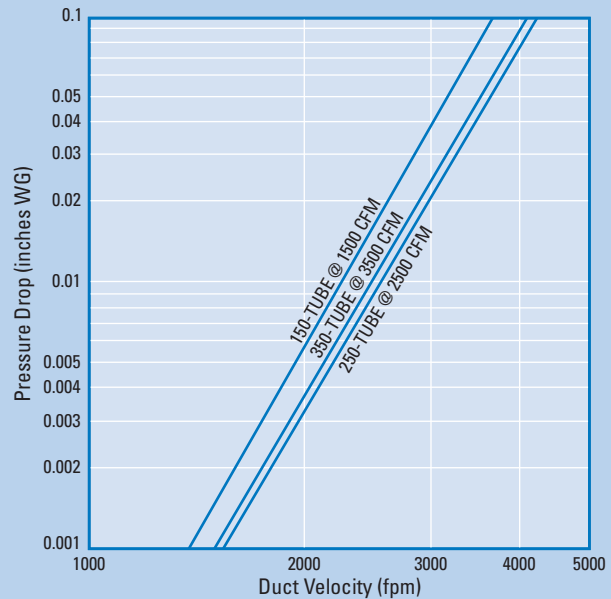


FIGURE 2: DIMENSIONS

