

READ THESE INSTRUCTIONS BEFORE BEGINNING INSTALLATION.

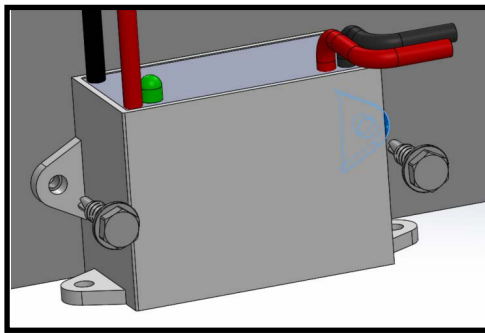
⚠ ... Important: Before beginning installation, test all functionality of nearby electronics to ensure it is working properly. Once complete, shut off power to any devices and follow lock-out tag-out procedures, then continue with the installation below.

DESCRIPTION

The Ion*-XX generator is a versatile product and can be mounted in any type of airflow system. It is designed for airflows of up to 2,500 CFM and standard VOC loading. 1,250 CFM in smoking environments. The Ion generator brushes are connected to an emitter, mounted inside the duct, using varying lengths of wire, depending on the distance needed (see images on page 2).

MOUNTING

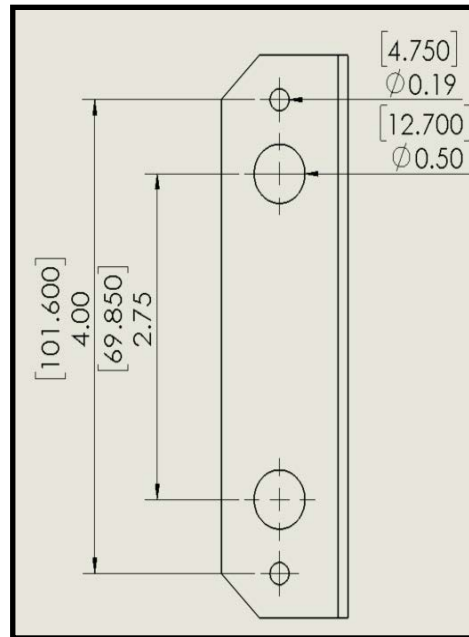
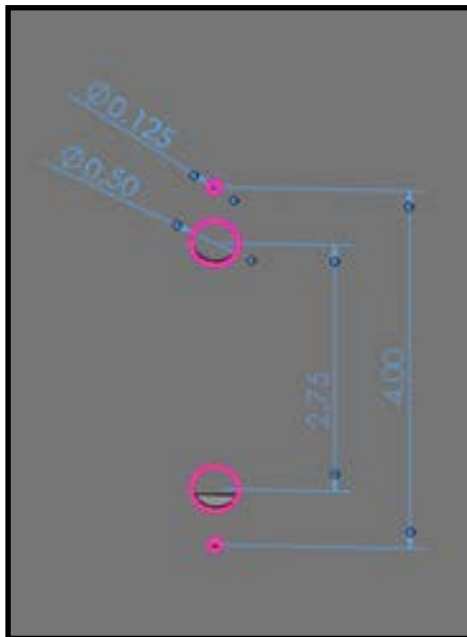
Find a suitable location to mount the Bipolar Ion Generator block. It has (4) available mounting flanges that accept a #10 TEK screw. The example shown mounts the block directly to the side of the duct. Using the block as a guide, mark the hole locations and drill (2) 1/8" holes.



* Either set of mounting holes can be used.

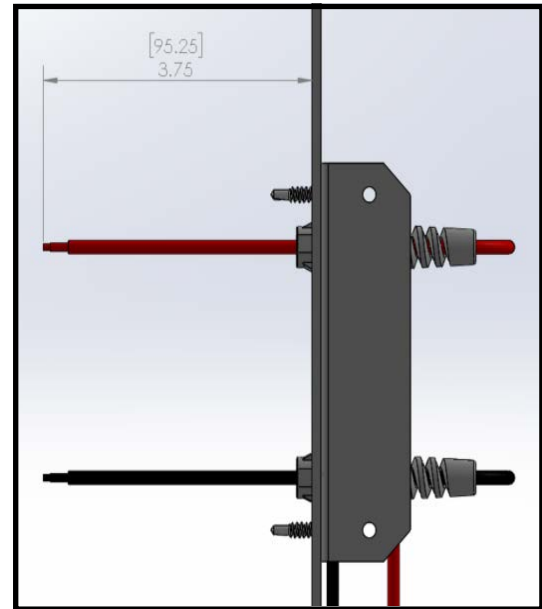
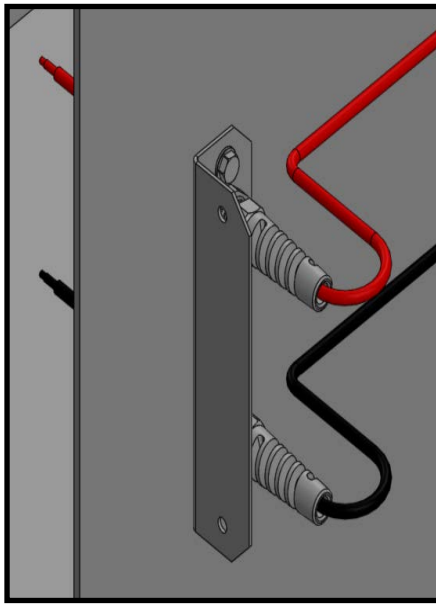
Next, find a suitable location to mount the Ion emitter that holds the ionization brushes. Its optimal location is perpendicular to the air stream in a large enough cavity for the ions to spread out.

Once a suitable location is found, drill (2) 1/8" mounting holes at a 4" distance. Also, between these mounting holes, drill (2) 1/2" clearance holes for the ion brushes. If need be, remove the wire strain reliefs from the emitter bracket to use as a template. Note the distance between the block and the emitter and ensure that the ion brush wire length is adequate.



Thread the ion brush wires through the wire reliefs and tighten until they are secured. Push the wire strain reliefs into the emitter bracket.

The ion brush tips should be about 3 3/4" (~9cm) away from the side of the duct inside surface. Also, keep the carbon fiber brush tips far enough away from any conductive surface to prevent arcing.



⚠ (Be sure to follow all local and electrical codes. Turn off power to the unit before mounting or making any connections.)

Part Number

I O N - D A * 00 - XX

VOLTAGE:

A - 24VAC / VDC, 1 ϕ
G - 208/230VAC, 1 ϕ

ION BRUSH LENGTH:

XX=XX" (inches)

- Verify the product will not overload the power requirement for the electrical system before wiring.
- Check the label on the product and wire it only to the voltage range shown. The 24V product accepts 5 to 24 VAC/VDC and can be utilized as a lower voltage block with less output.
 - 35" (~90cm) red positive wire
 - 35" (~90cm) black negative wire
- Unit should be interlocked to a fan operation and only run with the fan is on.
- The green LED on the block will illuminate when powered and operating.
- Route and secure all wiring properly.

