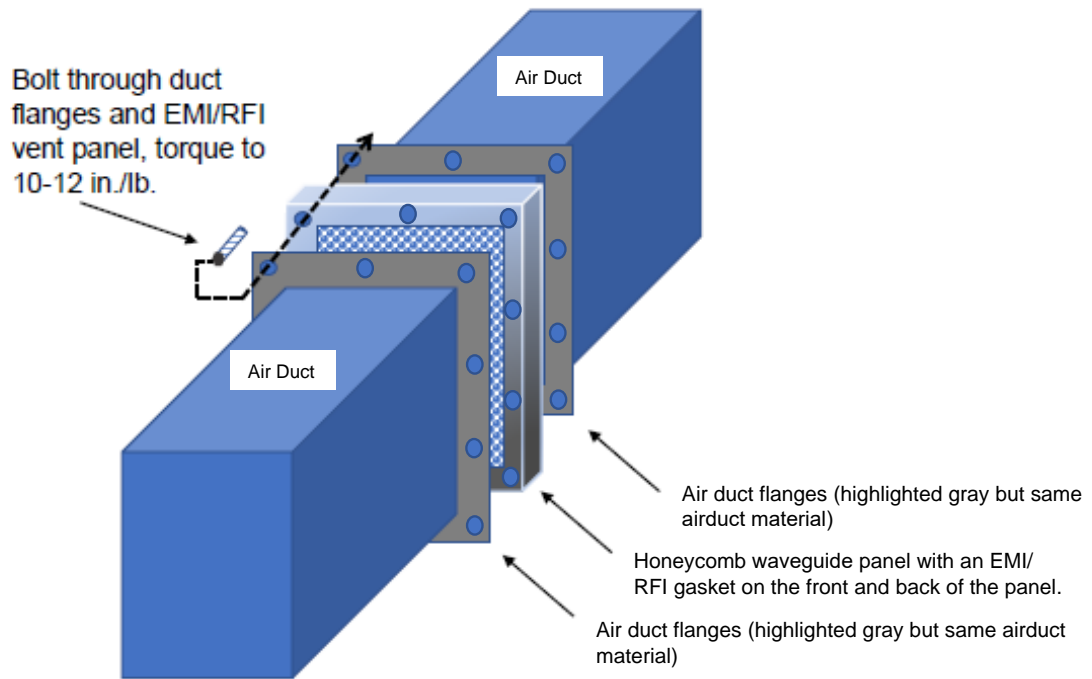


Installation of a Honeycomb Waveguide Panel Into an Air Duct



For optimal operation of the Waveguide, make sure there is tight compression and complete electrical contact between the full perimeter of the panel gasket and the air duct flanges to enable electromagnetic shielding of the ventilation opening.

To install a Waveguide panel inside an air duct:

1. Place the Honeycomb Waveguide panel, with EMI/RFI gasket on the front and back, between the two air duct sections.
2. Line up the Air duct flange holes on both sides of the panel with the panel holes.
 - **Flanges** need to be at a sharp 90 degree angle from air duct with .5 inch width to accommodate the panel EMI/RFI gasket.
 - **Panels** have a .5 inch wide frame; outer perimeter is 1.0 inch larger than the air duct.
3. Bolt at each panel mounting hole at 10-12 in/lb. Torque.

Note #1:

Air duct flanges – The air duct flanges need to be at a sharp 90 deg. angle from the air duct and have a 0.5 in. width to accommodate the area of the vent panel EMI/RFI gasket. Vent panels have a 0.5 in. wide frame; therefore, the outer perimeter is 1.0 in. larger than the air duct. In addition, the EMI/RFI gasket needs to make good electrical contact on the air duct flange around the full perimeter of the honeycomb waveguide panel.

Note #2 installation of panels with any dimension greater than 36 inches or Tin or Nickel plating:

If the vent panel plating requirement is either tin or nickel and the air duct is larger than 36 inches in either the X or Y dimension; MAJR Products will fabricate two Waveguide panels for the air duct area. Weld a "T" extrusion in the center of the air duct to enable mounting of the two panels. See figure below:

