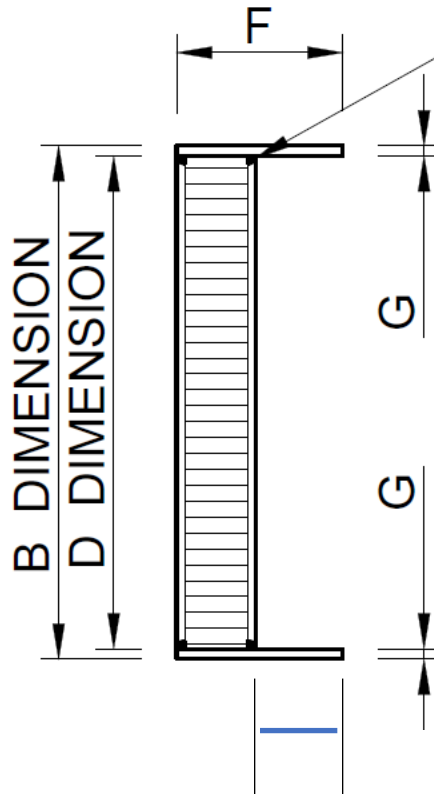


Installing Universal Shielding Series 1200 (In the Duct) Waveguide Air Vents



Installing the waveguide air vent in to the HVAC duct

Predrill the waveguide air vent flange for pan head, galvanized steel bolts in the open area of the flange (**Blue Line**), slide the vent into the HVAC duct and mark the holes, remove the waveguide air vent and drill the holes in the HVAC duct. Reinsert the waveguide air vent and install the bolts.

Or

Use galvanized, clear zinc coated steel, drill point screws. Can be installed from the inside or outside. Make sure the screws penetrate in to the open area of the flange (**Blue Line**), DO NOT penetrate in to the area where the honeycomb is.

RF Sealing the Waveguide Air Vent to the HVAC duct

Now, you need to RF seal the waveguide air vent flange to the HVAC duct.

This is done with Xalon FS, electrically conductive RTV or US Foils, 4" wide, AL5, electrically conductive PSA aluminum foil tape or a combination of both.

If Tape Only, start one side nearest the honeycomb, cover the bolt heads and across the gap on to the HVAC duct.

If you used screws from the outside going in, you will have to use the Xalon FS RTV to RF seal the screws to the air vent flange.

If RTV only, seal around each bolt head or screw (head or point) and perimeter seal the waveguide air vent to air vent duct.

Xalon FS: https://www.ramayes.com/Foil_RF_Shielding_Adhesives_Primer_Sealers.htm#Xalon-FS

US Foils AL5 Tape: https://www.ramayes.com/RF_Shielding_Tape.htm

