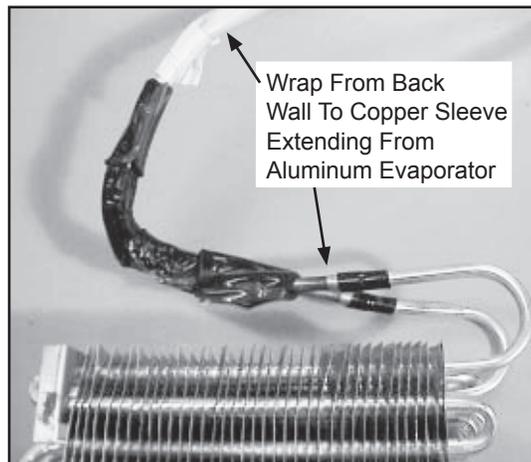
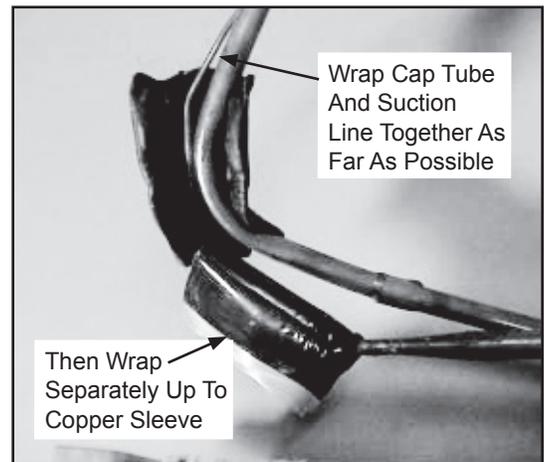


Evaporator Feed Noise**BRAND** Frigidaire, Electrolux, ICON**MODEL/SERIAL #** All Refrigeration**PROBLEM** Noise described by the customer as a "Popping or Gurgling Noise." This comes from the evaporator 30 to 40 seconds after the compressor starts and will last about 60 to 90 seconds. This sound is called "evaporator feed noise."**CAUSE** Evaporator feed noise comes after the compressor has been off long enough for the pressure in the system to completely equalize. Then, when the compressor starts, only vapor is going up the capillary tube. After the compressor has run 30 to 45 seconds, there is enough head pressure to drive liquid up the cap tube, but there is still some vapor mixed with the liquid. This vapor-liquid mix is causing the sound, it will only last for a short time. Once the head pressure is high enough to compress all the vapor to liquid, and only liquid is going up the cap tube, the noise will stop.**SOLUTION** First, try wrapping the heat exchanger from where it comes into the Evaporator to the back wall using refrigeration tape or 3 thermalmastic pads Part # 5303307583. See Figures 1 and 2 below.**Figure 1****Figure 2**

If this does not reduce the sound, try adding dry nitrogen to the system.

See next page for adding dry nitrogen to sealed system.

Evaporator Feed Noise

To add Nitrogen to the system:

1. Place a line tap on process tube of compressor.
2. Connect a single hose between the regulator on the nitrogen tank and the line tap valve with a shut off valve on the end of the hose connected to the line tap valve.
(See Figure 3) Or connect a enviro-guard hose with the shut off end at the line tap valve.

NOTE: If you use a line tap valve that has a shut off valve on it, (See Figure 3) to connect to the compressor process tube, you can open the valve on the nitrogen tank and bleed the hose out at the line tap then set the pressure in the hose, close the tank valve and open the valve on the line tap. By bleeding the hose and regulator before you set the pressure in the line with the tap valve closed, this will prevent air from the hose or regulator from entering the sealed system.

3. Open the valve on the Nitrogen tank.
4. Using the attached chart set the pressure regulator on the nitrogen tank to the correct pressure. (See Figure 4)
5. Close the valve on the nitrogen tank.
6. Open the valve on the end of the hose by the line tap valve or seat the enviro-guard on the line tap valve and allow the Nitrogen to enter the system.
7. Use a pinch off tool to pinch off process tube between line tap valve and compressor.
8. Remove line tap valve and weld hole in the process tube shut.

The addition of Nitrogen raises the back pressure without adding refrigerant, causing frost to form on suction line.

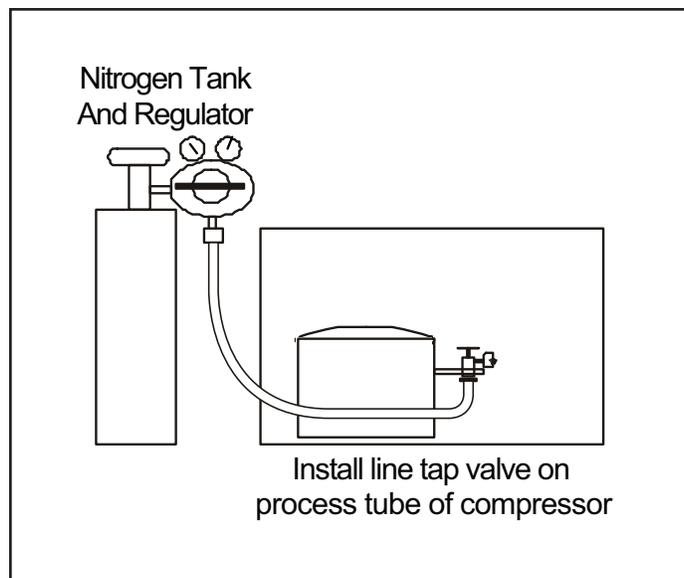


Figure 3

Hose Length to Line Tap (Feet)	Nitrogen Tank Pressure (PSI)
1'	153
2'	77
3'	51
4'	38
5'	31
6'	26
7'	22
8'	19
9'	17
10'	15

Figure 4