



REFRIGERATION INFORMATION

If it is determined that there is a refrigeration problem, and you need to bring in a refrigerator repair person to work on the refrigeration condenser, the following information will be required by the technician:

The freeze dryer comes in three sizes:

Large - 5 tray

Medium- 4 tray

Small- 3 tray

The Large machine takes 7.5oz of R 410a

The Medium machine takes 6oz of R 410a

The Small machine takes 4oz of R 410a

The system itself is a very basic capillary tube system with no cold control. The condenser runs nonstop until turned off by the operator. There are no braze connections on the evaporator under the blown foam insulation and common leaks are found at the process tube off of the compressor and crotch on the filter dryer.

- Determine if the system is still under positive pressure. (If so then the filter dryer will not need to be replaced.)
- Remove the insulation tape from suction side of piping.
- Use dry nitrogen and raise system pressure above 200psi.
- Using soapy water test each braze joint for bubbling.
- Locate and re-braze any leaking joints.
- After all leaks are located and brazed, remove nitrogen charge and vacuum the system down to 500 microns minimum.
- Recharge the system using the R 410a based off the sizes listed above.