

Before Installing or Servicing Equipment

- SAFETY FIRST!
- Read SDS and OEM Equipment Manual.
- Follow lockout/tagout procedures when needed.
- Verify no voltage is present before working.
- Ensure area is well ventilated.
- Evaluate jobsite for a) ignition sources, b) flammable vapors, c) controlling area, d) confined spaces, and e) clear exit points.

A2L Installation

- Follow OEM guidelines for minimum room area/refrigerant charge limits.
- Ensure mitigation components are installed and operating per OEM instructions.
- Use locking refrigerant caps to prevent unauthorized access to the system.
- Ensure a filter drier is installed.

A2L Evacuation and Pressure Test

- Consult the OEM instructions to determine proper evacuation targets/procedures.
- Pressure test field erected components.
- Evacuate the system before charging using an A2L rated vacuum pump.
- Record a) *date*, b) *test pressure*, and c) *vacuum level on the label* (UL 60335-2-40).

A2L Equipment Best Practices



A2L Charging (if required)

- Do NOT exceed the maximum allowable refrigerant charge per OEM instructions. (Charge amounts may vary due to line-sets.)
- Follow OEMs procedure for proper charging techniques. (Superheat/Subcooling)
- If refrigerant is a 400-series, the refrigerant must leave the cylinder in 'liquid form.'
- Record a) *date* and b) *total refrigerant charge weight on the unit label* (UL 60335-2-40).

A2L System Repairs

- Leak check to verify no refrigerant is present.
- Ensure equipment is grounded before working.
- Use proper capacitor discharge methods.
- Use only OEM approved replacement parts.
- Use nitrogen before and during all brazing.

A2L Recovery

- Do NOT vent.
- Do NOT mix refrigerants.
- Use recovery tools rated for use with A2L refrigerants.
- Recover all refrigerants before opening system.
- Recover into DOT approved recovery cylinder.
- Do not exceed cylinder fill weights.
- Label recovery cylinder contents.