Evaporator (Chiller Tank) Replacement Kit

WARNING

Before starting any type of Service work, please read the following instructions.

- **Turn water supply off**
- **activate bottle filler sensor to relieve water pressure.**
- **unplug unit**

Installation of this service kit requires refrigeration service expertise including brazing, freon recovery and recharging. ***All service work must be performed by a qualified service technician. Do not attempt this replacement if you do not fully understand these requirements.*** This condenser replacement kit will require one or more of the following steps:

- Recovery of refrigerant
- Brazing of refrigerant and water line (copper) connections
- Revising refrigeration line shape and routing
- Revising refrigeration system line hook-ups
- Revising water line sizes
- Charging refrigeration system with refrigerant
- Revising water line shapes and routings

Procedure

1. After turning off water supply, disconnecting it, and unplugging unit remove the two screws from the top of the bottle filler (T25 bit) Lift bottle filler off of bracket, unplug wire harness at basin and disconnect water line from quick connect fitting. Set bottle filler and screws aside.
2. Remove cooler from wall.
3. Remove two screws on each side of basin (T20 bit). Using a screwdriver press in on the tabs of the bottle con nection inserted on right side of basin. Gently push connection through to underside of basin.
4. Lift up on basin and disconnect black wire attached to cooler solenoid and the second black wire from the con nection inside cooler. Unplug water line to solenoid by pushing in on connection as you pull the water tubing out. Set basin aside.
5. Evacuate the refrigeration system.
6. Remove original evaporator tank.
7. Mount new Evaporator Tank to shelf with mounting screw. (See Fig. 3)
8. Revise size of the Refrigerant suction line to adapt to Refrigerant Outlet on the Evaporator Tank. (See Fig. 2) Reshape the suction line as required. Braze the Suction Line to the Refrigerant Outlet.
9. Insert the capillary tube into the Refrigerant Inlet - 1” to 2” (See Fig. 2) and braze.
10. Connect 5/16” 1/4” elbow fitting onto Evaporator Tank Water Inlet (See Fig. 2). Insert poly water tube from filter head into 1/4” side of elbow on water inlet.
11. Insert the end of the 6” poly tube with armaflex into the quick connect fitting on right side of tank base. Connect the 1/4” x 1/4” x 3/8” tee. Refer to Fig. 1 for details on how the Quick Connect Fittings function.
12. Connect 5/16” x 1/4” elbow fitting to water into tank copper line. Insert end of 1/4” Poly Tubing to elbow and left side quick connect on tank base.
    (Two-Level models connect the same as above with the additional poly and tee for the water line).
13. **NOTE: Thermal paste is needed for thermistor wire insertion.**
    - Install thermal paste on black thermistor sensing wire with black tip.
    - The thermistor sensing wire should be inserted completely in the bulbwell. A white line is on the sensing wire to insure that it is fully inserted. Place black cap over end of bulbwell to secure thermistor from backing out.

    This insures that the sensing tube cannot be removed from the bulbwell.
14. Check all connection points for leaks. Repair as required.
15. Recharge the unit and return to service.

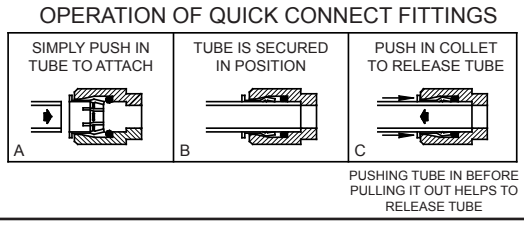

FIG. 1

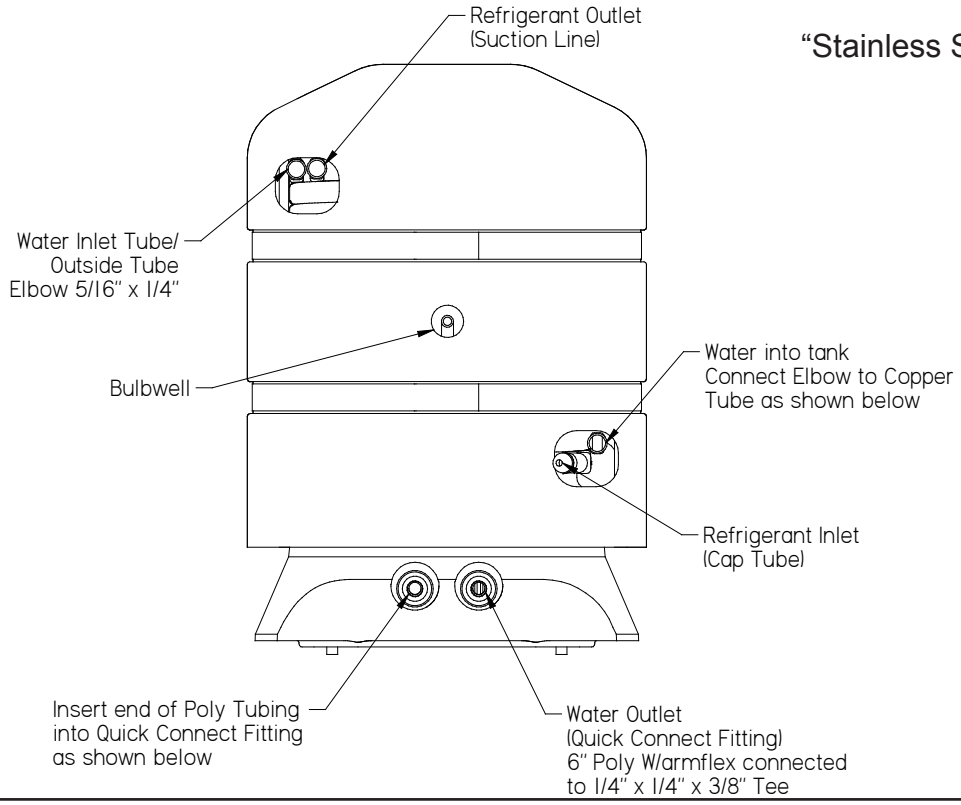

FIG. 2

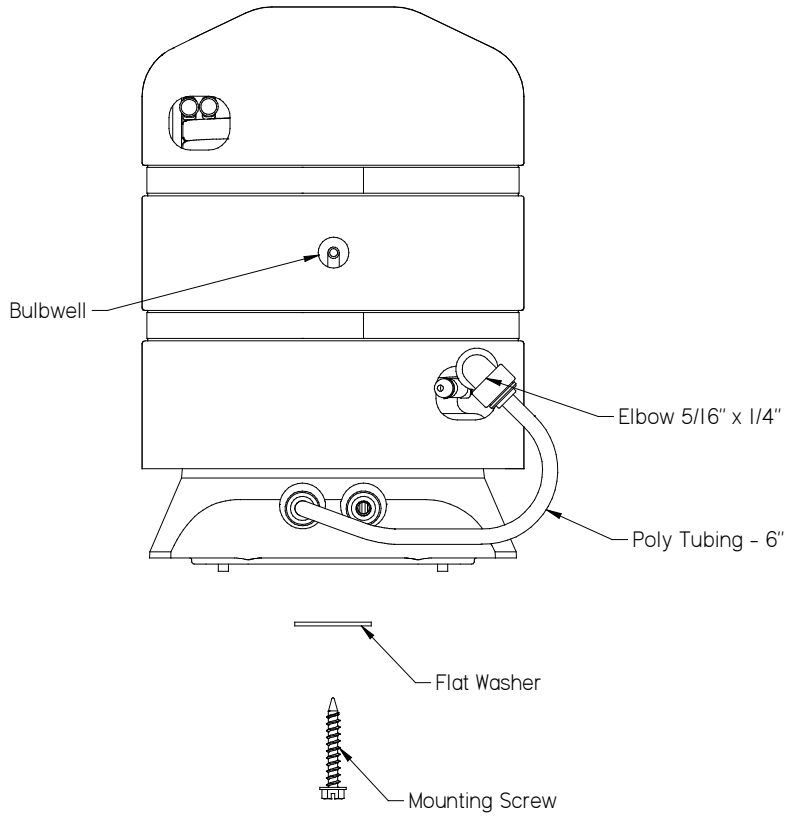

FIG. 3