INSTALLATION

1. **Insure proper ventilation.** In fully recessed drinking fountains be sure condenser faces louver panel and is within 1/2” (13 mm) of louver panel when panel is in place.
2. **Water inlet is 3/8” (10 mm) O.D. unplated tube.** Contractor to supply connections as required.
3. **Connecting lines to be made of unplated copper.** Thoroughly flush all lines to remove all foreign matter before connecting to cooler.
4. **Connect cooler to building supply** with a shut-off valve and install a 3/8” (10 mm) unplated water line between the valve and cooler. Remove burrs from outside of water line. Insert water line into bulkhead union until it reaches a positive stop, approximately 3/4” (19 mm).

**NOTE:** **DO NOT SOLDER TUBES INSERTED INTO THE STRAINER AS DAMAGE TO THE O-RINGS MAY RESULT.**

5. **Electrical:** Make sure power supply is identical in voltage, cycle, and phase to that specified on cooler serial plate. Never wire the compressor directly to the power supply.

**IMPORTANT! INSTALLER PLEASE NOTE:**

The grounding of electrical equipment such as telephone, computers, etc., to water lines is a common procedure. This grounding may be in the building, or may occur away from the building. This grounding can cause electrical feedback into a water chiller, creating an electrolysis which causes a metallic taste or an increase in the metal content of the water. This condition is avoidable by using the proper materials indicated below. Drain fittings which are provided by the installer should be plastic to electrically isolate the chiller from the building plumbing system.

START-UP

1. Open supply line valve.
2. Purge all air from all water lines by operating bubbler valve of fountain to which cooler is connected. A steady stream flow assures that all air is removed.
3. **Rotate fan blade** to assure proper clearance and free action.
4. **Connect to proper electrical power.**

TROUBLE SHOOTING & MAINTENANCE

**Temperature Control:** Factory-set for 50°F water (± 5°) under normal conditions. For colder water, adjust screw on item no. 5.

**Ventilation:** Cabinet louvers and condenser fins should be periodically cleaned with a brush, air hose, or vacuum cleaner. Excess dirt or poor ventilation can cause no cold water and compressor cycling on the overload protector.

**Lubrication:** Motors are lifetime lubricated.

**Actuation of Quick Connect Water Fittings:** Cooler is provided with lead-free connectors which utilize an o-ring seal. To remove tubing from the fittings, relieve water pressure, push in on gray collar while pulling on the tubing. To insert tubing, push tube straight into fitting until it reaches a positive stop, approximately 3/4”.

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**WIRING DIAGRAM**

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**OPERATION OF QUICK CONNECT FITTINGS**

| Simply Push in Tube to Attach | Tube is Secured in Position | Push in Collet to Release Tube | Pushing Tube in Before Pulling It Out Helps to Release Tube |
**DESCRIPTION**

1. 66540C  EVAPORATOR ASSY
2. 50189C  SHROUD - FAN
3. 66531C  HEAT EXCHANGER
4. 55996C  STRAINER
5. 31513C  COLD CONTROL
6. 35960C  COMPRESSOR SERV. PAK
7. 35958C  OVERLOAD
8. 35768C  COVER RELAY
9. 35959C  RELAY
10. 19037000  CLIP - COMP MTG
11. 101516143550  STUD - COMP MTG
12. 100806740570  GROMMET - COMP MTG
13. 20282C  BRACKET - FAN MTG
14. 31490C  FAN MOTOR
15. 70018C  NUT
16. 30664C  FAN BLADE
17. 66202C  DRIER
18. 66305C  CONDENSER
19. 31517C  POWER CORD

*INCLUDES RELAY & OVERLOAD. IF UNDER WARRANTY REPLACE WITH SAME COMPRESSOR USED IN ORIGINAL ASSEMBLY.

NOTE: ALL CORRESPONDENCE PERTAINING TO ANY OF THE ABOVE WATER COOLERS OR ORDERS FOR REPAIR PARTS MUST INCLUDE MODEL NO. AND SERIAL NO. OF COOLER, NAME AND PART NO. OF REPLACEMENT PART.