

## Installer

These series coolers are among the easiest to install. To assure you install this model easily and correctly, **PLEASE READ THESE SIMPLE INSTRUCTIONS BEFORE STARTING THE INSTALLATION. CHECK YOUR INSTALLATION FOR COMPLIANCE WITH PLUMBING, ELECTRICAL AND OTHER APPLICABLE CODES.** After installation, leave these instructions inside the cooler for future reference.

### INSTALLER PLEASE NOTE:

#### IMPORTANT

This water cooler has been designed and built to provide water to the user which has not been altered by materials in the cooler water ways. The grounding of electrical equipment such as telephones, computers, etc. to water lines is a common procedure. This grounding may be in the building but may also occur away from the building. This grounding can cause electrical feedback into a water cooler creating an electrolysis which creates a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by installing the cooler using the proper materials as noted below.

#### NOTICE

This water cooler must be connected to the water supply using a dielectric coupling - the cooler is furnished with a nonmetallic strainer which meets this requirement. The drain trap which is provided by the installer should also be plastic to completely isolate the cooler from the building system.

#### Important

#### All Service to be performed by an authorized service person

1. Insure proper ventilation by maintaining a clearance from cabinet louvers to wall on each side of cooler (*see ROUGH-IN in Cooler Manual for minimum clearance*).
2. Water supply 3/8" O.D. unplated copper tube. Waste 1-1/4" O.D. Contractor to supply waste trap and service stop valve in accordance with local codes.
3. Connecting lines should be thoroughly flushed to remove all foreign matter before being connected to cooler. This cooler is manufactured in such a manner that it does not in any way cause taste, odor, color, or sediment problems. If a taste, odor or sediment problem is prevalent, try installing our water filter on the supply line (*see Cooler Manual for part number*).
4. Connect 3/8" O.D. unplated copper water line from cooler to service (see fig. 2 on page 4). *For Fountains with Remote Chillers, install a union between the fountain valve and chiller. DO NOT SOLDER TUBES INSERTED INTO THE STRAINER AS DAMAGE TO THE O-RINGS MAY RESULT.*

**Note:** Strainer not supplied on units with water filter. Simply insert 3/8" water line into fitting on filter head until a positive stop-approx. 3/4".

**Note:** If required, the 1/4" O.D. water inlet line from the strainer to the cooler may be cut to a desired length. However, if water line is cut, all burrs must be removed from outside of tube before inserting into the strainer.

5. **Electrical:** Insure power supply is identical in voltage, cycle and phase to that specified on the cooler data plate. NEVER wire compressor directly to the power supply.
6. The Manufacturer has glass fillers and glass filler plumbing kits specifically designed for use with several water coolers. Check local listings for a dealer near you.

**WARNING:** Warranty is voided if:

- The plumbing kit or glass filler is not specified for use by Manufacturer for this particular model.
- Installation is not made in accordance with current Manufacturer instructions.

7. These products are designed to operate on 20 to 105 psig supply line pressure. If inlet pressure is above 105 psig, a pressure regulator must be installed in supply line. Any damage caused by reason of connecting this product to supply line pressure lower than 20 psig or higher than 105psig is not covered by warranty.
8. It is recommended that the drain trap, which is provided by the installer, be insulated to avoid excessive condensation due to chilled water running through the trap.

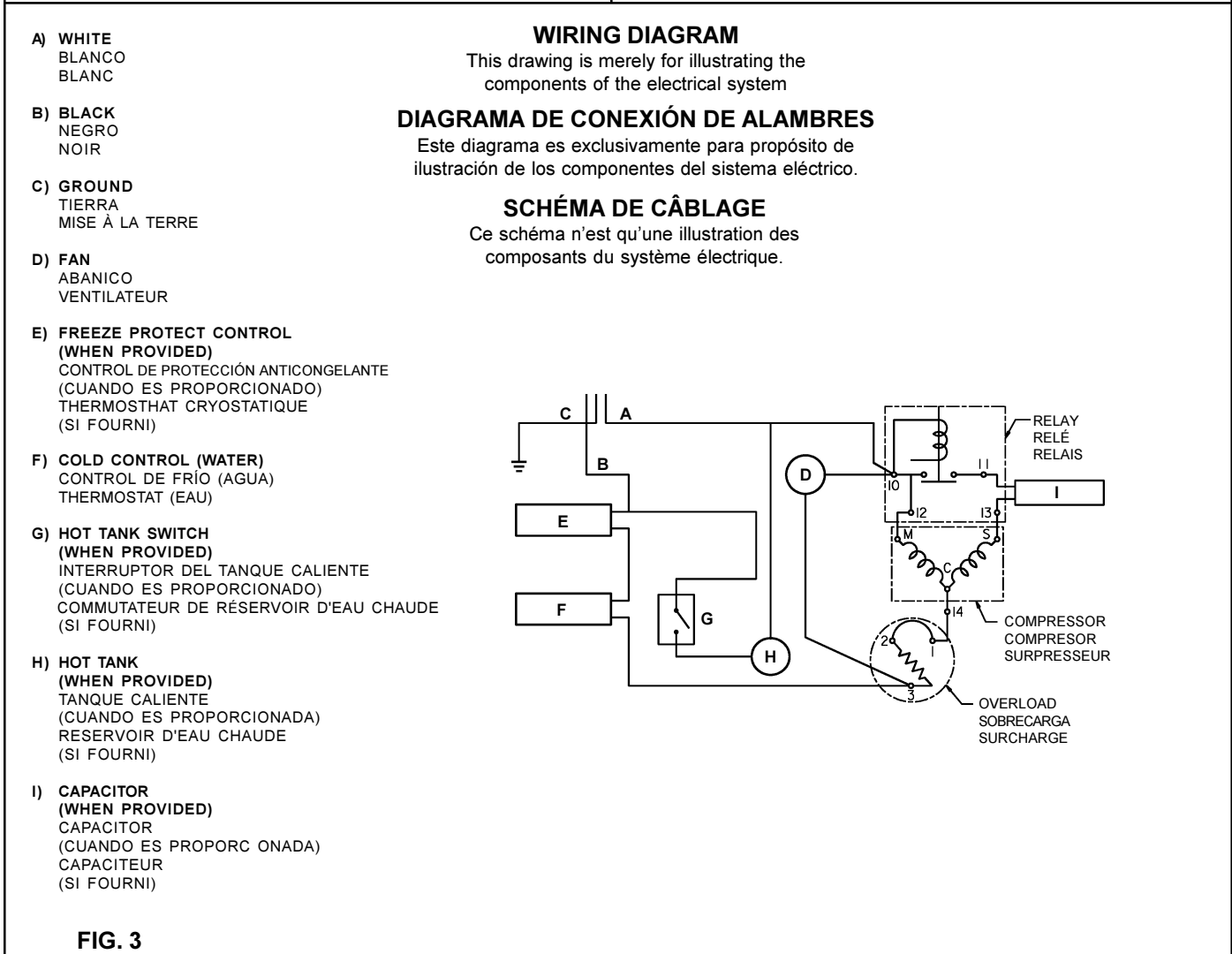
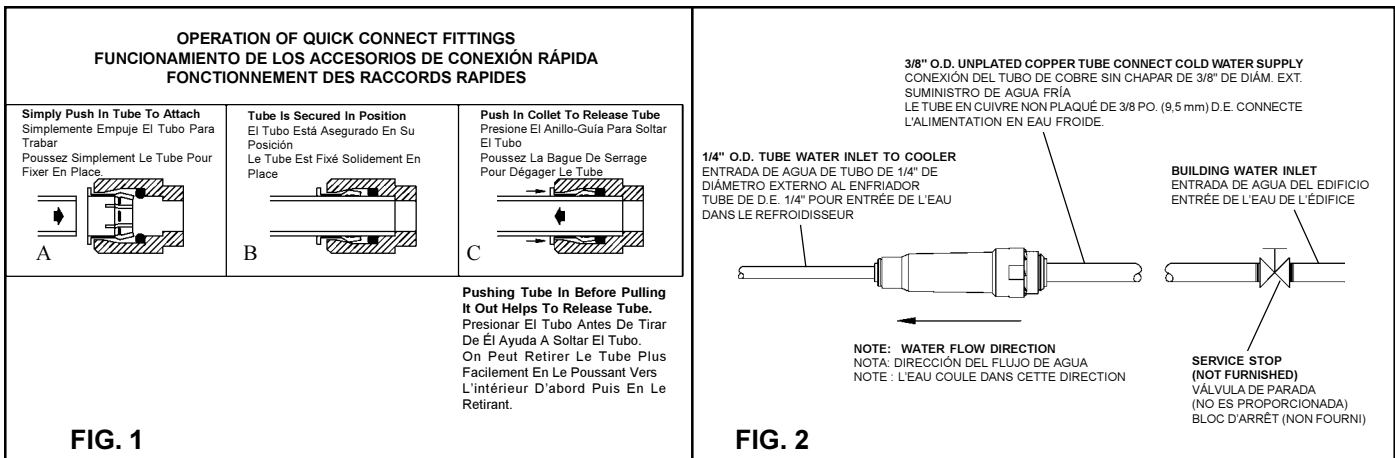
#### START UP

9. Turn on the building water supply and check all connections for leaks.
10. Purge air from all water lines by depressing button or front push bar of cooler/fountain to which it is connected. Steady stream assures all air is removed. Stream height is factory set at 35 PSI. If supply pressure varies greatly from this, remove cover & button and adjust screw on regulator. Clockwise adjustment will raise stream and counter-clockwise adjustment will lower stream. For best adjustment, stream should hit basin approximately 6-1/2" (165mm) from bubbler.
11. Recheck all water and drain connections with water flowing through system.
12. Rotate fan to insure proper clearance and free fan action.
13. Connect to electrical power.
14. Replace the panel(s) and secure by retightening screws (*see Cooler Manual for more information*).

#### TROUBLE SHOOTING & MAINTENANCE GUIDE

15. **BUBBLER:** Mineral deposits on the orifice can cause water flow to spurt or not regulate. Mineral deposits may be removed from the orifice with a small round file not over 1/8" diameter or small diameter wire. **CAUTION:** DO NOT file or cut orifice material. Care must be taken not to damage the orifice(s).
16. **Stream Regulator:** If orifice is clean, regulate flow as in "START UP" instructions above. If replacement is necessary, see parts list for correct regulator part number.
17. **WATER COMING OUT OF BUBBLER/PROJECTOR CONTINUOUSLY:** When this occurs at the end of the compressor cycle, turn the cold control warmer (counterclockwise) 1/4 turn. Also, for cooler with press bars, see Cooler Manual-Water Valve Mechanism-ADJUSTMENT PROCEDURE.
18. **Temperature Control:** Factory set for 50°F water ( $\pm 5^\circ$ ) under normal conditions. For colder water, adjust screw on cold control clockwise (*see Cooler Manual*).
19. **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 compressor overload protector.
20. **Lubrication:** Motors are lifetime lubricated.
21. **Actuation of Quick Connect Water Fittings:** Cooler is provided with lead-free connectors which utilize o-ring water seal. To remove tubing from the fitting, relieve water pressure, push in on the gray collar before pulling on the tubing (see fig 1). To insert tubing, push tube straight into fitting until it reaches a positive stop, approximately 3/4" (19mm).

# GENERAL INSTRUCTIONS / INSTRUCCIONES GENERALES / DIRECTIVES GÉNÉRALES



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NÚMERO GRATIS DE SERVICIO 1.800.260.6640  
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FOR PARTS, CONTACT YOUR LOCAL DISTRIBUTOR OR CALL 1.800.323.0620  
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