NOTE: It is important to insure proper ventilation. Allow a minimum clearance of 6 inches (152 mm) in front and 3 inches (76mm) in the rear of the unit. If unit is to be installed in an enclosure, allow the following clearances around unit - 1 inch (25mm) each side, 3 inches (76mm) in the rear, 3 inches (76mm) inches above wall.

This chiller has been designed for use with potable water and includes an o-ring seal on the drain plug. This fitting should be replaced if the unit is to be used with more aggressive fluids.

**LEGEND**

A = 1/4" (6mm) O.D. TUBE WATER OUT
B = 1/4" (6mm) O.D. TUBE WATER INLET
C = 3/8" (9mm) TUBE TANK DRAIN
D = TEMPERATURE ADJUSTMENT
E = ELECTRICAL
**ER2-1B/2B, ER2-1PEOB, TRC2-1B**

### INSTALLATION

1. It is important to insure proper ventilation. For remote installation a minimum clearance of 6 inches (152 mm) to the front must be maintained, 1 inch (25 mm) each side, 3 inches (76 mm) to the rear above the unit. Wall grille EG-1 or EG-2 to be used when unit is inserted into an enclosure. Install unit as close as possible to wall grille. A 6 inch (152 mm) clearance beyond the front of the wall grille is required for adequate air circulation.

2. When unit is installed in a kitchen cabinet, two air openings with a minimum of 40 square inches each (minimum of 75% open area) must be provided in the cabinet. The opening should be in the overhang of the toe space. Other opening near the top of the cabinet. The remote unit must be installed with a minimum of 3 inch clearance between the unit and the walls of the cabinet. In addition a minimum 2 inch clearance must be provided between the toe space air opening and front of remote unit.

3. Water inlet is 1/4" (6 mm) O.D. tube. Contractor to supply connections as required.

4. Connecting lines to be of copper, thoroughly flushed to remove all foreign matter before being connected to chiller. If flushing does not remove all particles, a water strainer should be installed in supply line.

5. Connect cooler to building supply line with a shut-off valve and install a union connection between the valve and cooler.

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

### START-UP

1. Open supply line valve.

2. Purge air from all water lines by operating bubbler valve of fountain to which chiller is connected. Steady stream assures all air removed.

3. Rotate fan to insure proper clearance and free fan action.

4. Connect to electrical power.

### TROUBLE SHOOTING & MAINTENANCE

Temperature Control: Factory set at 50°F (+/- 5°) under normal conditions. For colder water, adjust screw on item no. 3 CW.

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

Lubrication: Motors are lifetime lubricated.

### ACTUATION OF QUICK CONNECT WATER FITTINGS:

Chiller is provided with a lead-free plug which utilizes an o-ring water seal. To remove plug from chiller, relieve water pressure, pull the collar towards the fitting and pull the fitting off the tube. To install plug, push fitting straight onto tubing until it reaches a positive stop, approximately 3/4 in. (19mm).

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**FOR PARTS, CONTACT YOUR LOCAL DISTRIBUTOR OR CALL 1.800.323.0620**

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