

Installation Instructions

HRC30-1A HRC30-50-2A Refrigeration Packages

IMPORTANT! INSTALLER PLEASE NOTE.

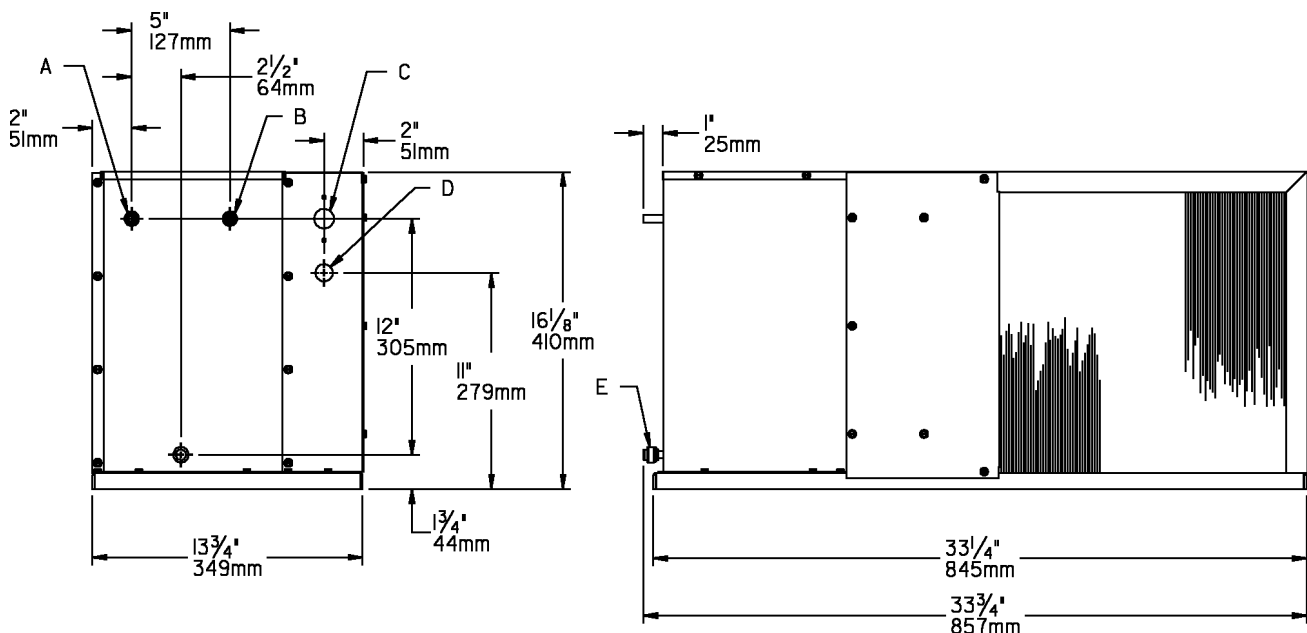
The grounding of electrical equipment such as telephone, computers, etc., to water lines is a common procedure. This grounding may be in the building, or may occur away from the building. This grounding can cause electrical feedback into a water chiller, creating an electrolysis which causes a metallic 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.

INSTALLATION

1. This unit is intended for remote installation only. It is important to insure proper ventilation. A minimum of 6 inches (152mm) to the front must be maintained, and 6 inches (152mm) to the rear of the unit.
2. 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.
3. Installer to provide air gap at condenser water outlet to comply with local plumbing specifications.
4. Connecting lines to be made of copper. Thoroughly flush all lines to remove all foreign matter before connecting to cooler. If flushing does not remove all particles, a water strainer should be installed in the supply line.
5. Connect cooler to building supply with a shut-off valve and install a union connection between the valve and the cooler.
6. 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.
7. For use with photo processing applications, adjust thermostat to warmer settings.

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 assures that all air is removed.
3. Rotate fan blade to assure proper clearance and free action.
4. Connect to proper electrical power.



LEGEND

A = 3/8" O.D. TUBE WATER INLET

C = TEMPERATURE ADJUSTMENT

E = 3/8" O.D. TUBE TANK DRAIN

B = 3/8" O.D. TUBE WATER OUTLET

D = ELECTRICAL

TROUBLE SHOOTING AND MAINTENANCE

ITEMIZED PARTS LIST		
ITEM NO.	PART NO.	DESCRIPTION
1	23152C	Box - Insulation
2	28070C	Base Assy
3	27698C	Panel
4	27700C	Panel - Front
5	23158C	Cover - Insulation Box
6	23159C	Bracket - Conduit
7	27702C	Cabinet
8	35882C	Control - Cold
9	35792C	Fan Motor
10	31180C	Fan Blade
11	31181C	Fan Bracket
12*	33484000	Condenser
13	19050000	Strainer
14	30440C	Capacitor
*15	48000036	Compressor
16	30248C	Overload
17	48000070	Gasket (Terminal Cover)
18	48000067	Overload Spring
19	48000069	Bale Strap
20	48000068	Cover Terminal
21	19037000	Clip
22	100806740570	Grommet
23	62277C	Evaporator Assy
24	70772C	Drain Plug
25	31738002	Drier
26	37268000	Heat Exchanger
27	33075000	Valve - By Pass
28	70020C	Nut
29	34783005	Washer - Lock
NS	27701C	Panel - Rear

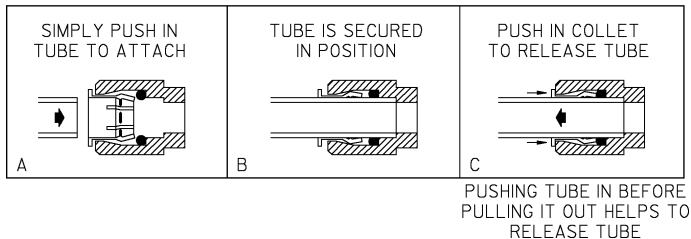
Temperature Control: Factory set for 50°F water (± 5°) under normal conditions. For colder water, adjust screw on item no. 8 clockwise.

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 plug which utilizes an o-ring seal. To remove plug from cooler, 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".

OPERATION OF QUICK CONNECT FITTINGS



HRC30-2A 220V/50Hz

ITEM NO.	PART NO.	DESCRIPTION
9	35793C	Fan Motor
14	30441C	Capacitor
*15	37895000	Compressor
16	40405028	Overload

*INCLUDES RELAY & OVERLOAD. IF UNDER WARRANTY, REPLACE WITH SAME COMPRESSOR USED IN ORIGINAL ASSEMBLY.
 NOTE: All correspondence pertaining to any of the above water cooler or orders for repair parts MUST include model number and serial number of cooler, name and part number of replacement part.

