



WATER ENERGY DISTRIBUTORS, INC.

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Electrolysis Check Technical Bulletin 2007-04

GENERAL	NOTES
<p>This procedure can only be performed on a Climate Master Koax Cu-Ni fluted heat exchanger.</p> <p>A qualified refrigeration technician must carefully monitor this procedure. Letting the freeze progress to a "hard" freeze could damage the Koax heat exchanger.</p> <p>If the water pump is operating satisfactorily and the discharge line is not clogged, the refrigerant charge is normal and the blower drive RPM is normal, check the heat exchanger for possible fouling. The inlet and outlet temperatures being close to equal will indicate this, and the serviceman's refrigeration gauge will indicate low evaporator pressure on heating and high head pressure on cooling.</p> <p>If this observation indicates exchanger fouling, use the following procedure:</p> <ol style="list-style-type: none">Shut off water flow with external valves.Adjust the room thermostat to signal heating.Allow the unit to operate for approximately eight (8) minutes or sooner if the suction pressure approaches 40 psig (for R-22) and 75 psig (for R410a).Reverse room thermostat to demand cooling.Allow the unit to operate for one (1) minute.Repeat steps b-e twice. <p>NOTE: AFTER THE THIRD CYCLE OF THIS PROCEDURE, TURN THE WATER FLOW ON.</p> <ol style="list-style-type: none">Recheck the gauges and thermometers. Successful cleaning will be indicated by normal gauge indications. The procedure may be repeated several times if necessary. <p><i>!! Evaporator pressure below 40psi/75psi must never be allowed in this process.</i></p>	