



CHILLER SYSTEM START-UP SHEET

CHILLER MODEL #: _____
 CHILLER SERIAL #: _____
 CUSTOMER : _____
 START-UP DATE : _____

PRE START-UP CHECK LIST

<input type="checkbox"/>	All Electrical Connections are tight, these may loosen during shipment
<input type="checkbox"/>	Main Disconnect Energized for 24Hr. to allow Crankcase Heater to boil any liquid refrigerant out of crankcase.
<input type="checkbox"/>	Field Process Piping has been leak checked
<input type="checkbox"/>	VOLTAGE on Chiller System matches customer supplied
<input type="checkbox"/>	VOLTAGE
<input type="checkbox"/>	Glycol / Water Solution freeze point is at least 20 F. (11 C.) below T-Stat Setpoint
<input type="checkbox"/>	Glycol Pump Motors Rotation is CLOCKWISE when viewed from motor end
<input type="checkbox"/>	Glycol Storage Tank is at least 80% Full
<input type="checkbox"/>	Pressure Bypass Valve tested. To test, Close a valve on the Glycol Supply and visually check for return flow into storage tank.
<input type="checkbox"/>	Chiller location allows adequate air flow to and from Air Cooled Condenser. (Air Cooled Only)
<input type="checkbox"/>	Adequate water supply provided to Water Cooled Condenser (Water Cooled Only)

X	DESCRIPTION	DATA #1	DATA #2	DATA #3	DATA #4
	Percentage of Propylene Glycol to Water in System				
	Glycol / Water Solution freeze point (Refractor Reading)*				
	Incoming Line Voltage Reading (L1-L2, L2-L3, L1-L3)				
	Control Transformer Secondary Voltage Reading				
	Circulation Pump Motor Amp Readings				
	Process Pump Motor Amp Readings				

PRESSURE CONTROL SETTINGS (refer to Operation Manual for Factory Settings)

<input type="checkbox"/>	High Pressure Cut-Out				
<input type="checkbox"/>	Low Pressure Cut-In				
<input type="checkbox"/>	Low Pressure Cut-Out				
<input type="checkbox"/>	Oil Failure Control				

P29NC-3 FREEZE PROTECTION SETTINGS (refer to Operation Manual for Factory Settings)

<input type="checkbox"/>	Low Pressure Cut-Out				
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TEMPERATURE CONTROL SETTINGS (refer to Operation Manual for Factory Settings)

<input type="checkbox"/>	Setpoint Temperature				
<input type="checkbox"/>	Differential Setting				

OPERATING DATA**

<input type="checkbox"/>	Glycol Solution Temperature (Thermostat Display Temp.)				
<input type="checkbox"/>	Suction Pressure (PSI)				
<input type="checkbox"/>	Suction Line Temperature at Compressor				
<input type="checkbox"/>	Discharge Line Pressure (PSI)				
<input type="checkbox"/>	Discharge Line Temperature				
<input type="checkbox"/>	Liquid Line Pressure (PSI)				
<input type="checkbox"/>	Liquid Line Temperature				
<input type="checkbox"/>	Glycol Temperature at Evaporator Inlet				
<input type="checkbox"/>	Glycol Temperature at Evaporator Outlet				
<input type="checkbox"/>	Ambient Air Temperature				
<input type="checkbox"/>	Condenser Water Temperature Inlet & Outlet (If applicable)				
<input type="checkbox"/>	Compressor Amp Draw				
<input type="checkbox"/>	Complete Chiller System Amp Draw				

* A Refractometer should be used to obtain the actual Glycol Solution Freeze Point. To order a Refractometer please call Technical Assistance at (253) 735-9466, these are also available from most propylene glycol suppliers.

* Operating Data should be recorded in the order listed. To determine proper operation of the chiller system, please record all Data simultaneously, or record all data completely with-in as short of period as possible. Data should be recorded at different Glycol Operating Temperatures (example: record at 45 F. / 35 F. / 25 F.)

FOR TECHNICAL ASSISTANCE CALL (253) 735-9466 , Monday thru Friday 6:00 AM TO 5:00 PM PACIFIC STAND. TIME

TECHNICIAN: _____

COMPANY: _____

SIGNATURE: _____

TEL. #: _____