



Drake Refrigeration Inc. Warranty Activation Form

Issue Date 2-1-07	FILE REV.2
Supersedes 8-1-00	

Schedule Type: Chiller start-up & warranty activation Page: 1 of 3

Start Up Date:			
Site Name:		Site Contact:	
Address:		Phone Number:	
City:	State:	Zip:	Email Address:
Manufacturer:	Drake Refrigeration Inc	Service Company Name:	
Model #:		Service Company Phone:	
Serial #:		Startup Technician:	

Visual Inspection

- Inspect incoming voltage matches nameplate voltage, and chiller disconnect per local codes.**
- Inspect installation of equipment mounting, piping, and wiring for completion.
- Inspect chiller location is free from overhangs and at least 3 feet from any wall or fence.
- Inspect chiller fluid level is full and free of air.
- Inspect chiller piping and pump housing for any fluid leaks.
(Slight seal leak may occur until pump seal burn in time is complete.)
- Tighten all Rotolock Valves, Schrader valve cores, and Liquid line solenoid body.
- Backseat receiver rotolock valves to release the refrigerant into the system. (If applicable)
- Tighten receiver valve packing nut (if applicable)
- Leak check the refrigerant circuit with an electronic leak detector.
- Inspect chiller name plate voltage matches the voltage supplied to the chiller.
- Tighten all electrical connections in the control panel, microprocessor and other controls.
- Inspect that a filter or Y strainer is installed in the return line of the chiller. Note if not installed.
- Measure the glycol freeze point and log into the chart below. (If applicable)

Chiller Operation

- Refer to the chiller operation manual page 11 to start the chiller.
- Inspect compressor rotation.
- Inspect chiller pump rotation.
- Press the Sys pump button to turn on the system pump. (If applicable)
- Inspect system pump rotation. (If applicable)
- Inspect chiller pump overload setting. (This should match the SFA rating on the pump label)
- Inspect system pump overload setting. (This should match the SFA rating on the pump label)
(if applicable)
- Inspect controller set points.
- Inspect and test Flow differential pressure switch for proper operation (adjust if necessary)
- Inspect Condenser fan operation. (if applicable)
- Inspect Condenser water regulation valve operation. (if applicable)
- Inspect Fan Cycle setting at 63°F.
- Install service gauge set and inspect microprocessor pressure readings. (Microprocessor pressures reasonably match technicians gauge set)
- Inspect indoor remote display panel operation. (If applicable)

Motors, Elements

- Complete log sheet

Compressors

- Complete compressor log sheet

Completion Date:	Service Provider: (1)	Material/tool reference
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Microprocessor Setting

- Complete microprocessor table

Final checklist

- Remove all tools and debris from the equipment.
- Replace all service caps and tighten.
- Replace Receiver valve stem caps and tighten. (If applicable)
- Replace all chiller manuals and documentation into the electrical panel.
- Install & secure all access panels and hardware.
- Review start up documents with the customer
- Give a copy of the start up documents to the customer
- Fax or email a copy of the start up documents to Drake
(215) 638-5518 or ddicus@drakechillers.com

Log Sheet (Motors, Elements, etc.)

ID Information		Amp Readings				Voltage Readings			
Motor/Element Name	HP	L1	L2	L3	*NP	L1	L2	L3	
Compressor									=To Ground
Condenser fan #1									=Between lines
Condenser Fan #2									
Chiller glycol pump									
Indoor water Pump									
Receiver Heater									
Liquid Solenoid									

*NP=Name Plate

Compressor Log Sheet

Comp #	Suct Press	Disch Press	Super Heat	Oil Level	Outdoor Ambient Temp F.	LWT. °F	EWT. °F	LP Cut	HP Cut
1									
2									
3									

LWT= Leaving Water temp / EWT= Entering LP-Test low pressure cutout HP-Test high pressure cutout

Heat Ops-Test crankcase heater operation Unload Ops-Test unloader operation

Glycol Freeze Point :

Micro Flash Version : (this will be displayed at power up)

Microprocessor Table (for settings)

item	Setting	item	Setting
dEG		HP1	
CP-		LP1	
TC		HtA	
SP1		LtA	
DF1		Hr1	

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Visit Notes

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