THERMO KING

Klinge

PTI form for all ATEX PFR models

Date:	Serial number:	Location:
Date of last pre trip inspection if known:		Container number:

Note: Manual available on https://www.thermoking.com/klinge; unit revision number found on data plate.

Operator and Date:_____

PRE-OPERATION TEST - (Can be performed in hazardous location)	Initial = **OK**
1. With **NO POWER** to the unit, check unit visually for physical damage:	
a. Refrigeration unit frame and sheet metal for structural or defective damage	
b. Piping – no physical damage to impede operation or showing corrosion porosity	
c. Compressor/Fans – no broken components and no appearance in defect of structural integrity	
d. Coils – no visible damage, bent/broken fins, or corrosion.	
2. Major hold-down bolts present and visually tightened	
3. Control box window is clear and display pad is readable.	
4. All control box surface buttons are in good condition with plastic caps in place and not cracked, and switches not loose.	
5. Check control box and the junction box covers - all bolts are present, visually tightened and holding the covers tightly closed.	
6. Check cleanliness of the condenser coils and steam or air clean if necessary.	
7. Check all refrigerant joints and connections thoroughly for traces of oil or stains indicating small refrigerant leak.	
OPERATIONAL TEST - Connect main power (Can be performed in hazardous location)	Initial = **OK**
1. Turn "ON" Main Switch, located in lower left corner of unit.	
2. Initiate the function test by holding the "Manual Defrost" switch while pushing the "ON /OFF" switch to the "ON" and holding for 10 seconds.	
a. Watch the LEDs on the thermostat as it steps through the test as shown below. NOTE: DO NOT follow front label ID's. Function test label is not viewable in window and is replicated below.	
i. All LED's Flashed, returning to LED 1 ON (Remaining ON through test duration.)	
ii. Step 1 Phase Sense = LED 3 FLASHING	
iii. Step 2 Evap. Fans = LED 3 ON, LED 4 FLASHING	
iv. Step 3 Cond. Fan = LED 3 - 4 ON, LED 5 FLASHING	
v. Step 4 Compressor = LED 3 - 5 ON, LED 6 FLASHING	
vi. Step 5 Unloader = LED 3 - 6 ON, LED 7 FLASHING	
vii. Step 6 Hot Gas/Heat = LED 3 - 7 ON, LED 8 FLASHING	
viii. Step 7 Alarms = LED 3 - 8 ON, LED 9 FLASHING	
ix. Step 8 Probe Check = LED 3 – 9 ON, LED 10 FLASHING	
3. Allow unit to go into "Cooling" and set temperature to -5°C	
4. After temperature reaches -5°C put unit on manual defrost. (Push Defrost switch in for 5 seconds)	
a. Compressor remains operating.	
5. After defrost terminates, run unit for 15 minutes and check refrigerant in receiver sight glass. Ball should be full top in lower sight glass and at floating near top of upper sight glass	
6. Increase the set point temperature to 20° over displayed return temperature:	
a. Note that "HEAT" LED is illuminated	

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b. Condenser fan deactivates, compressor and evaporator fan remains active	
c. Increase in box temperature = >10°over 10 minutes.	
7. While unit is running, verify air circulation inside container through T sections of floor.	
8. If applicable, ensure no refrigerant leaks.	

By signing this form we are acknowledging that any discrepancies in the recorded data have been noted and accepted.

Test Operator Signature	**Date**	**Engineer / Designee**	**Date**

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