

Direct Fired 400K,1Mil,1.5Mil CONSTRUCTION HEATER INSPECTION CHECKLIST

SECTION A: IDENTIFICATION (If the name plate is missing or illegible the heater must be recertified or scrapped)

COMPANY'S STOCK NUMBER _____ ULC SERIAL NUMBER _____
 MODEL _____ MANUFACTURES NAME: _____ MANUFACTURES SERIAL NUMBER _____

UNIT TESTED WITH LPG / NG

SECTION B: SAFETY CHECKS

- | | | | |
|--|---|---|----|
| 1. Dose the body of the heater, including the screen protectors in the barrel and support legs appear to be in good shape? | Y | N | NA |
| 2. Are all fasteners of the burnner, motors, control panel etc. in place properly and tighten? | Y | N | NA |
| 3. Check the power cord for cuts and pinching, check plug to ensure the unit is grounded. | Y | N | NA |
| 4. If equipped has the strainer been checked and cleared within the past year? | Y | N | NA |
| 5. Check for bent or cracked fan blades. | Y | N | NA |
| 6. Check the grill for cracks and broken welds. | Y | N | NA |
| 7. Is the proper regulator installed and is it free of damage or tampering? | Y | N | NA |
| 8. Have the solenoid valve(s) been checked and cleaned in the past year? | Y | N | NA |
| 9. Check inside electrical control box for sign's of over heating at wire connectors and switches. | Y | N | NA |
| 10. Check air switch pilot tubes to see if they are clear and free of wear. | Y | N | NA |
| 11. Check ignition spark plug and flame rod for cracks. | Y | N | NA |
| 12. Prior to ignition, have all the pipe connections and fittings from the gas tight supply to the burner been checked and found gas | Y | N | NA |
| 13. If the unit is being used for propane has the valve been "locked" in the correct position | Y | N | NA |
| 14. Are all decals and instruction plates in place and readable? | Y | N | NA |

IGNITE THE HEATER AS PER THE INSTRUCTION ON THE NAME PLATE:

- | | | | |
|--|---|---|----|
| 15. Dose the flame burn in the complete pattern? | Y | N | NA |
| 16. Dose the flame pattern reduce in size when thermostat position is turned up? | Y | N | NA |
| 17. Will the flame go out if the high limit switch is by-passed (reached high temp limit)? | Y | N | NA |
| 18. Will the unit shut down completely if the air switch is by-pass(fan motor fails)? | Y | N | NA |
| 19. Will the unit try to relight (cycle) then lock-out if gas supply is closed? | Y | N | NA |
| 20. While running and the power is removed will unit remain off when power is returned (power failure)? | Y | N | NA |
| 21. All all required documents update and in the place? | Y | N | NA |

SECTION C: WORK PREFORMED ON THIS HEATER

WORK ORDER NUMBER _____

CERTIFICATION

BRANCH _____ DATE _____ SIGNATURE _____

CONSTRUCTION HEATER INSPECTION / CHECKLIST

SECTION A: IDENTIFICATION (If the name plate is missing or illegible the heater must be recertified or scrapped)		
COMPANY'S STOCK NUMBER _____	ULC SERIAL NUMBER _____	
MODEL _____	MANUFACTURES NAME: _____	MANUFACTURES SERIAL NUMBER _____

Machine Set Up For LPG / Natural Gas Fuel Use

SECTION B: SAFETY CHECKS			
1. Is the body of the heater, including the frame , tires, gas union, and fan appear to be in good shape?	Y	N	NA
2. Are all fasteners of the burner, motors, control panel etc. in place properly and tighten?	Y	N	NA
3. Are fan blades clean with no build up of debri, free of cracks and edges are okay?	Y	N	NA
4. Have the solenoid valve(s) been checked and cleaned in the past year?	Y	N	NA
5. Is the combustion chamber clean and free of cracks?	Y	N	NA
6. Is the correct fuel decal place on burner housing. '	Y	N	NA
7. Remove the electrode tree, clean, check for cracked electrodes, adjust and clean.	Y	N	NA
8. Check fire ring for flame impingement and carbon build up, if deformed replace ring.	Y	N	NA
9. Is the correct fuel nozzel been installated for the this fuel	Y	N	NA
10. Is the air adjustment plate clear and screws are tight?	Y	N	NA
11. Is the electric AC plug ground pin in place and in good shape?	Y	N	NA
12. Check temperature feeler and position for the correct operation temperature	Y	N	NA
13. Check the wires on the limit switches.	Y	N	NA
14.. Have the high and low limit fan switches been checked and are the covers installed?	Y	N	NA
15. Prior to ignition, have all the connection and fittings from the propane/gas supply to the solenoid valve(s) been check and found to be gas tight?	Y	N	NA
16. Has the manifold pressure been checked and is correct for type of fuel used?	Y	N	NA
17. If supplied check operation of thermostatic control.	Y	N	NA
18. Has the document package in good readable condition and been up dated?	Y	N	NA

SECTION D: WORK PREFORMED ON THIS HEATER

CERTIFICATION		
BRANCH _____	DATE _____	SIGNATURE _____

CONSTRUCTION HEATER INSPECTION CHECKLIST

SECTION A: IDENTIFICATION (If the name plate is missing or illegible the heater must be either recertified or scrapped)

MANUFACTURER'S

MODEL# _____ NAME: _____ ULC SERIAL # _____
(If applicable)

COMPANY # _____ **MANUFACTURER'S** SERIAL # _____
(If applicable)

**SECTION B: SAFETY CHECKS
HEATERS WITH "BASO" FLAME
SAFEGUARD VALVE**

- | | ACCEPTABLE
YES NO N/A |
|---|--|
| 1. Does the body of the heater, including the screen protectors, the inner barrel, and the support legs appear to be in good shape? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2. Is the hose assembly in good condition and free of cracks, splits, or burns? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3. Has the strainer been checked and cleaned within the past year? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4. Is there a certified (CGA/U/LC/U/AGA) P.O.L. excess flow fitting? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5. Is the proper regulator installed and is it free of damage and/or tampering? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

CONNECT THE REGULATOR ASSEMBLY TO THE PROPANE SUPPLY AND TURN ON THE GAS:

6. Prior to ignition, have all connections and fittings from the propane supply to the "BASO" Safety Valve been tightened, checked and found to be gas tight?

IGNITE THE HEATER AS PER THE INSTRUCTIONS ON THE NAME PLATE:

7. Is the flame adjusted so that it is normal in strength and composition and is it firing towards the center of the burner tube?
8. Is the regulator pre-set to the maximum allowable pressure and can the flame strength be controlled by the regulator adjusting stem?
9. Have the tilt switches been checked to ensure that the burner and/or heater shuts down when the heater is tilted to either side at an angle greater than 30°?

SHUT OFF THE PROPANE SUPPLY AND WAIT 40-60 SECONDS FOR THE THERMOCOUPLE TO COOL DOWN:

10. Has the BASO safety valve "clicked" indicating the valve has closed? (If NO, clean or replace the BASO valve, leak check the valve train, and repeat the step)

TURN ON THE PROPANE SUPPLY AGAIN:

11. Without engaging the BASO, check at the burner and/or orifice with an ignition device. Is there any sign of escaping gas? (If YES, clean or replace the BASO valve, leak check the valve train, and repeat the step)

**SECTION B: SAFETY CHECKS
HEATERS WITH ELECTRONIC FLAME
SAFEGUARD CONTROLS**

- | | ACCEPTABLE
YES NO N/A |
|---|--|
| 1. Does the body of the heater, including the screen protectors, the barrel, and the support legs appear to be in good shape? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 2. Are all fasteners for the burners, motor, control panel, etc. in place properly and tightened? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 3. Is the hose assembly in good condition and free of cracks, splits, or burns? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4. Has the strainer been checked and cleaned within the past year? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 5. Is there a certified (CGA/U/LC/U/AGA) P.O.L. excess flow fitting? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 6. Is the proper regulator installed and is it free of damage and/or tampering? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 7. Have the solenoid valves(s) been checked and cleaned within the past year? | <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |

CONNECT THE HEATER TO THE FUEL SUPPLY AND TURN ON THE GAS:

8. Prior to ignition, have all connections and fittings from the gas supply to the solenoid valves been checked, tightened, and found to be gas tight?

IGNITE THE HEATER AS PER THE INSTRUCTIONS ON THE NAME PLATE:

9. Do the burner ports and/or orifice(s) appear to be free of blockage?
10. Are the inlet and manifold gas pressures adjusted to operating pressures as specified on the name plate of the heater?
11. Is the flame adjusted so that it is normal in strength and composition?
12. Has the air proving switch been adjusted to its proper operating setting? (that is, with approximately 1/2 to 5/8 of the fan inlet blocked and the burner and/or heater shuts down)
13. Has the high limit switch been checked to ensure it functions to shut down the burner and/or heater? (Do not use a torch or other high temperature source to perform this check)

14. Have the tilt switches been checked to ensure that the burner and/or heater shuts down when the heater is tilted to either side at an angle greater than 30°?

CLOSE THE GAS SUPPLY AND RE-OPEN IT AFTER WAITING 15 SECONDS:

15. Does the flame safeguard control function to lock out the solenoid valve(s), cancel the ignition cycle and positively stop the flow of gas?

SECTION C: WORK PERFORMED ON HEATER (If available, provide the Work Order Number only)

SECTION D: CERTIFICATION

Branch Name _____ Date of Inspection _____ Signature: _____