

START-UP REPORT

DATE:	JOB NAME:
TECHNICIAN:	LOCATION:
COMPANY:	MODEL:
PHONE NUMBER:	SERIAL #:

PRE-STARTUP CHECK LIST

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| <input type="checkbox"/> NO VISIBLE DAMAGE TO UNIT | <input type="checkbox"/> INLET AIR FILTER INSTALLED AND CLEAN |
| <input type="checkbox"/> PIPING PROPERLY CONNECTED | <input type="checkbox"/> PROPER SERVICE CLEARANCES PROVIDED |
| <input type="checkbox"/> BOILER CIRCULATOR WIRED | <input type="checkbox"/> PUMP RUNNING, HEAT EXCHANGER FULL |
| <input type="checkbox"/> VENT/STACK CONNECTED | <input type="checkbox"/> GAS LINES PURGED, NO LEAKS, NO MISSING TEST PLUGS |

BOILER STARTUP SEQUENCE

Note: Locate the AA terminals and minimum hold switch in the bottom-right of the electrical panel on the main HeatNet board. Also locate the manometer test manifold in the bottom of the electrical panel.

1. Disable any external call for heat and toggle the remote/local switch to REMOTE.
2. Toggle the LOW FIRE switch to cycle the boiler then hold at trial for pilot ignition.
3. Set pilot pressure (follow section "Checking, Adjustment & Operation") (flame signal should read 5.0 VDC).
4. Release boiler to main flame trial for ignition.
5. Check for stable flame.
6. Record combustion and Delta P at minimum firing rate.
7. Jumper the AA terminals to force 100% input.
8. Record combustion and Delta P at high firing rate.
9. Remove the AA jumper to place the boiler at minimum rate.
10. Make any final adjustments on low fire.
11. Check all combustion results using a calibrated flue gas analyzer.
12. Release the LOW FIRE switch to place boiler in standby.

NOTICE In addition to completing the KN-Series start-up report, complete the control set-up information in the rear of the HeatNet manual.



COMBUSTION ANALYSIS	MINIMUM FIRING RATE	100% FIRING RATE
GAS INLET PRESSURE (WC)	INCHES WC	INCHES WC
CO ₂	%	%
O ₂	%	%
CO (PPM)	PPM	PPM
NET STACK TEMPERATURE	°F	°F
AIR BOX DIFFERENTIAL (DELTA P - WC)	INCHES WC	INCHES WC

SAFETY TEST CHECKLIST

- FLOW SWITCHES (By Others)
- AIR SWITCH
- FLAME SAFEGUARD
- LOW WATER CUT-OFF
- HIGH LIMITS

COMMISSIONING THE BOILER

<input type="checkbox"/> UNIT CYCLED MINIMUM OF 15 TIMES <input type="checkbox"/> CUSTOMER INSTRUCTED <input type="checkbox"/> ALL COVERS REPLACED <input type="checkbox"/> CUSTOMER GIVEN MANUAL <input type="checkbox"/> TARGET TEMPERATURE SET PER CUSTOMER COMMISSIONED BY: _____ <div style="text-align: right;">(SIGNATURE)</div> DATE: _____	<p>THE DELTA T BETWEEN THE HEATER INLET AND OUTLET IS CRITICAL TO PROPER FLOW. BEFORE YOU LEAVE THE JOB-SITE, YOU MUST RECORD THE DELTA T. THIS READING SHOULD NOT EXCEED 100°F, 55°C, NOR BE LOWER THAN 20°F, 11.1°C.</p> <p style="text-align: center;">DELTA T = <input style="width: 100px; height: 20px;" type="text"/></p>
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ADDITIONAL NOTES AND COMMENTS
