



ATH KN STARTUP REPORT

PROJECT INFORMATION			
Date:		Project Name:	
Technician:		Location:	
Company:		Model:	
Phone:		Serial Number:	

PRE-STARTUP CHECK LIST			
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	<input type="checkbox"/>

BOILER START UP SEQUENCE

Locate the 52 Calibration Switch and low fire hold switch in the bottom-right of the electrical panel on the main HeatNet board.
Also locate the manometer test ports at the bottom of the filter box.

1. Perform pre-start up checks and set up: (follow section "Operating Instructions"; Steps 1-10).
2. Disable any external call for heat and toggle the remote/local switch to REMOTE (follow section "Operating Instructions"- selected turndown procedure).
3. Ignition and pilot adjustment: Toggle the LOW FIRE switch to cycle the boiler then hold at trial for pilot ignition (follow section "Operating Instructions"- selected turndown procedure).
4. Set pilot pressure (follow section "Checking, Adjustment & Operation") (flame signal should read 5.0 VDC).
5. Set low and high fire combustion values; (follow section "Operating Instructions"- selected turndown procedure).
6. Record low and high fire combustion values (page 2 of Start-up Report).
7. Check all combustion results using a calibrated flue gas analyzer.
8. 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.

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Startup Report for Cast Iron Condensing Boilers

DATA STARTUP CHECK		
COMBUSTION ANALYSIS	MINIMUM FIRING RATE	100% FIRING RATE
Gas inlet pressure (WC)	Inches WC	Inches WC
CO ₂	%	%
O ₂	%	%
CO (PPM)	PPM	
Net stack temperature	°F	°F
Signal pressure (Δ P - WC)	Inches WC	Inches WC
Air shutter (Δ P - WC) (10:1)	Inches WC	N/A
Min air shutter calibration (10:1)	%	N/A
Blower clamp calibration (10:1)	%	N/A
Minimum calibration (5:1)	%	N/A
Maximum calibration	N/A	%
Tachometer	RPM	RPM

SAFETY TEST CHECKLIST			
Flow switches (by others)	<input type="checkbox"/>	Air switch	<input type="checkbox"/>
Low water cut-off	<input type="checkbox"/>	High limits	<input type="checkbox"/>
		Flame safeguard	<input type="checkbox"/>

COMMISSIONING THE BOILER		
Unit cycled minimum of 15 times	<input type="checkbox"/>	The Delta T (Δ T) between the heater inlet and outlet is critical to proper flow. Before you leave the jobsite, you must record the Δ T. This reading should not exceed 100° F, 55° C, nor be lower than 20° F, 11.1° C.
Customer instructed	<input type="checkbox"/>	
All covers replaced	<input type="checkbox"/>	
Customer given manual	<input type="checkbox"/>	
Target temperature set per customer	<input type="checkbox"/>	Δ T:

Commissioned by: _____
Signature

Date: _____

Notes: