



ENDURA+ (EDR+) INSTALLATION & OPERATION "START-UP" REPORT

NOTE:
TO BE COMPLETED BY A FACTORY AUTHORIZED TECHNICIAN HOLDING A VALID ENDURA+ (EDR+) CERTIFICATE OF REGISTRATION. WARRANTY COVERAGE IS VALID ONLY IF THIS FORM IS SUCCESSFULLY COMPLETED AND RETURNED TO FULTON WITHIN TWELVE WEEKS OF START-UP.

DATE	
TECHNICIAN	
TECH. COMPANY	
TECH CERTIFICATE #	
BOILER MODEL	
NATIONAL BOARD #	

FULTON REP.	
CUSTOMER	
CONTACT NAME	
CITY, STATE	
PHONE NUMBER	
E-MAIL	

GENERAL:

Boiler room air pressure (Note: Must be neutral pressure)	_____	INCHES WC
Flue gas condensate drain maintains minimum slope and trap height?	<input type="checkbox"/> YES	<input type="checkbox"/> NO
Does the hydronic system contain glycol?	<input type="checkbox"/> _____ %	<input type="checkbox"/> NONE
Water fill pressure at the boiler outlet/supply connection (glycol 30 psi minimum)	_____	PSI

COMBUSTION-AIR SUPPLY FROM BOILER ROOM ONLY:

If boiler room, what is the Upper Louver Size? (In inches)	LENGTH _____	HEIGHT _____
If boiler room, what is the Lower Louver Size?	LENGTH _____	HEIGHT _____
Combustion air louver type	<input type="checkbox"/> FIXED	<input type="checkbox"/> MOTORIZED
If motorized, are they interlocked with the boilers?	<input type="checkbox"/> YES	<input type="checkbox"/> NO <input type="checkbox"/> N/A

COMBUSTION-AIR SUPPLY DUCTED DIRECTLY TO BOILER ONLY:

Combustion air intake material type (e.g.: PVC, Spiral Metal Duct, etc.)	_____
Air intake termination location	<input type="checkbox"/> ROOFTOP <input type="checkbox"/> SIDEWALL
Intake configuration	<input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> COMMON
Combustion air intake ducting diameter	_____ INCHES
Combustion air intake ducting length	_____ FEET
Combustion air intake elbow quantity	45'S _____ 90'S _____
Horizontal separation between intake and exhaust termination	_____ FEET
Vertical separation between intake and exhaust termination	_____ FEET

FLUE GAS EXHAUST VENT CONFIGURATION:

Flue gas exhaust vent material type (e.g. Stainless, Polypropylene, etc.)	_____
Exhaust termination location	<input type="checkbox"/> ROOFTOP <input type="checkbox"/> SIDEWALL
Exhaust configuration	<input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> COMMON
Venting inside diameter	_____ INCHES
Total Venting length (Rise + Run)	_____ FEET
Vertical rise only	_____ FEET
Elbows quantity	45'S _____ 90'S _____
Is an exhaust fan installed?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Exhaust fan setpoint pressure	_____ INCHES WC
Common vent pressure with all boilers at (Note: Do not measure at boiler flue outlet)	HIGH FIRE _____ LOW FIRE _____
Does the boiler have a modulating draft damper?	<input type="checkbox"/> YES <input type="checkbox"/> NO
Does the common exhaust have a modulating draft damper?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A

CONTROLS:

Boiler setpoint source (i.e. BMS, OAT, 4-20mA, Local)	_____		
Is the boiler configured for internal lead/lag?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
Motorized isolation valve wired and functional? (Note: Variable-Primary only)	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
Dedicated primary pump wired and functional? (Note: Primary-Secondary only)	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
Software update performed?*	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
Software version in use:	VERSION: _____		

**Do not skip this step unless instructed by the factory.*

SAFETY CHECKS: Check all safeties below for proper operation and document the final settings.

DEVICE	SETTING	OPERATIONAL
Low Water Safety		
Air Switch		
Low Gas Pressure Switch		
High Gas Pressure Switch		
Blocked Exhaust Switch		

DEVICE	SETTING	OPERATIONAL
High Temperature Limit		
Fuel Train Leak Test		
Blower/Premix Leak Test		
Air Filter Switch		

COMBUSTION SETTINGS: Fuel Type is: *Natural Gas* *Propane*

FIRING POSITION:	P0 LIGHT	P1	P2	P3	P4	P5	P6	P7	P8	P9 100%
Fuel Position										
Air Position										
Blower Position										
Blower Ampere										
Incoming Voltage										
Supply Gas Pressure (InWC)*										
Manifold Gas Pressure (InWC)*										
MV Downstream Gas (InWC)*										
Fan Discharge Pressure (InWC)*										
Analyzer O2%										
Burner Sensor O2%										
CO2 %										
CO ppm										
NOx @ 3%										
Room Ambient Temp. °F										
Combustion Air Temp. °F										
Stack Temperature °F										
Stack Draft (InWC)*										
Inlet Water Temp. °F										
Outlet Water Temp. °F										
Main Flame Signal										
Pilot Signal (Where Applicable)										

** Use only a Slack Tube® Manometer or equivalent. The use of a digital manometer is not recommended.*

When complete, please keep this form with the boiler, store a record copy in a safe location, and return a copy to Fulton:

Fulton
 ATTN: Service Coordinator
 972 Centerville Road
 Pulaski, New York 13142

Phone: (315) 298-5121 • Fax: (315) 298-6390