



# ENDURA XE ANNUAL MAINTENANCE CHECKLIST

**NOTE:**  
TO BE COMPLETED BY A FACTORY AUTHORIZED TECHNICIAN HOLDING A VALID ENDURA XE CERTIFICATE OF REGISTRATION.

DATE	
TECHNICIAN	
TECH. COMPANY	

TECH CERTIFICATE #	
BOILER MODEL	
BOILER NB/SERIAL #	

**ANNUAL MAINTENANCE:**

Burner head removed and visually inspected	<input type="checkbox"/> COMPLETE
Burner head cleaned (air only)	<input type="checkbox"/> COMPLETE
Burner head reinstalled with new gaskets	<input type="checkbox"/> COMPLETE
Burner flange hardware torqued to spec (see Section 4 of IOM)	<input type="checkbox"/> COMPLETE
Low water probe(s) removed, cleaned, and reinstalled	<input type="checkbox"/> COMPLETE
Flame rod inspected and cleaned, or replaced if worn	<input type="checkbox"/> COMPLETE
Direct spark ignition replaced with new and gap properly set	<input type="checkbox"/> COMPLETE
Special gas vent system and condensate drains inspected	<input type="checkbox"/> COMPLETE
Combustion air intake system inspected	<input type="checkbox"/> COMPLETE
Safety relief valve tested, replaced if it does not fully reseal	<input type="checkbox"/> COMPLETE
Open factory Service Bulletin(s) addressed (where applicable)	<input type="checkbox"/> COMPLETE
Safety checks table completed	<i>(fill in tables below)</i>
Combustion verification completed, adjust as necessary	<i>(fill in tables on reverse side)</i>
Burner flange torque re-checked after bringing the boiler up to operating temperature	<input type="checkbox"/> COMPLETE

**WATER CHEMISTRY:** *Verify water chemistry is within specified limits, correct where required*

pH (8.5-10.5)	_____
Oxygen (<250 ppb)	_____ ppb
Iron/Copper (<5 ppm)	_____ ppm
Chloride (<200 ppm)	_____ ppm
Hardness (<60 ppm)	_____ ppm
Gylcol %	_____ %

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

DEVICE	SETTING	PASSED
Low Water Safety		
Air Switch		
Low Gas Pressure Switch		
High Gas Pressure Switch		
High Condensate Safety		
Blocked Intake Switch		

DEVICE	SETTING	PASSED
High Temperature Limit		
Temperature Controller		
Fuel Train Leak Test		
Blower Leak Test		
Burner CO Test (<100 ppm)		

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

FIRING POSITION:	P0 LIGHT	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10 100%
Incoming Voltage	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣
Supply Gas Pressure (InWC)*	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣
Manifold Gas Pressure (InWC)*	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣
MV Downstream Gas (InWC)*	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣
Fan Discharge Pressure (InWC)*	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣
Wet (Analyzer) O2%	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣
Room Ambient Temp. °F	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣
Combustion Air Temp. °F	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣
Stack Temperature °F	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣
Stack Draft (InWC)*	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣
Main Flame Signal	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣	▣

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

**OPERATING HISTORY**

Boiler Online Hours	▣
Boiler Run Hours	▣
Boiler Cycles	▣
Attempted Ignitions	▣
Successful Ignitions	▣

*When complete, please keep this form with the boiler and store a record copy in a safe location. Accurate and complete combustion and maintenance records detailing compliance with the Installation, Operation, and Maintenance Manual must be produced for warranty consideration. Please use photocopies or consult your local Fulton Representative for additional copies of this form.*