



MODULEX BOILER MAINTENANCE FORM

Please complete **ONE (1) form for each UNIT** at the site and return to AERCO within 30 days of performing the maintenance. After completion, e-mail this form to: **STARTUP@AERCO.COM**.

Completed By: _____ **Date:** _____

Location

Installation Name: _____ SST Technician: _____

Street Address: _____ Company: _____

City, State, Zip: _____ Phone #: _____

UNIT SERIAL #: _____

Maintenance Schedule

12 Month Maintenance 24 Month Maintenance

Equipment Classification

Type

<input type="checkbox"/> MLX EXT 321	<input type="checkbox"/> MLX EXT 481/450	<input type="checkbox"/> MLX EXT 641/600	<input type="checkbox"/> MLX EXT802/800	<input type="checkbox"/> MLX EXT 962	<input type="checkbox"/> MLX EXT 1123/1100
<input type="checkbox"/> MLX EXT 1530/1500	<input type="checkbox"/> MLX EXT 1912	<input type="checkbox"/> MLX EXT 2295/2300	<input type="checkbox"/> MLX EXT 2677/2600	<input type="checkbox"/> MLX EXT 3060/3000	

Combustion Calibration

Note: Consult Modulex O&M Manuals, GF-139 & GF-143, for proper oxygen (O₂) settings.

Ambient combustion air temperature during calibration: _____ °F

Inlet Gas Manifold Supply Pressure: _____ inches W.C.

BURNER ¹	OXYGEN (O ₂) At High Fire (%)	OXYGEN (O ₂) At Low Fire (%)	CARBON MONOXIDE (CO) (ppm)	NITROGEN OXIDES – NO _x ²	GAS VALVE OUTLET PRESSURE (in. W.C.) [MLX only]
1	%	%	ppm		in. W.C.
2	%	%	ppm		in. W.C.
3	%	%	ppm		in. W.C.
4	%	%	ppm		in. W.C.
5	%	%	ppm		in. W.C.
6	%	%	ppm		in. W.C.
7	%	%	ppm		in. W.C.
8	%	%	ppm		in. W.C.

1) Depending on size, the Modulex Boiler will have from 2 burners (MLX EXT 321) to 8 burners (MLX EXT 3060) which are calibrated individually.

2) Only required for California and Texas installations; optional for other states.

General Installation

1. Have there been any faults or issues since the last service? Yes No
 - a. If so, what are they? _____
 - b. Have they been successfully resolved? Yes No
2. Has the condensate disposal system been inspected since the last service? Yes No
 - a. Does it drain properly? Yes No
3. Has the condensate neutralizer been inspected? Yes No
 - a. Has the limestone been replaced? Yes No

Gas Supply

The questions below are related to the information in the Modulex Gas Supply Application Guide, GF-136-G

1. Type of Gas Supply: Natural Gas Propane
2. What is the static gas supply pressure to the main manifold? _____
3. What is the static gas supply pressure to the external supply regulators (if used)? _____
4. Have any gas leaks been detected? Yes No
 - a. If so, have they been successfully resolved? Yes No

Venting

The questions below are related to the information in the Modulex Venting Application Guide, GF-136-V

1. Has the venting been inspected for any leaks/damage? Yes No
2. Are the gaskets installed properly and providing an adequate seal? Yes No

Hydronic Installation

1. What is the design system flow rate? _____
2. Are strainers installed in both the primary and secondary loops? Yes No
 - a. Have they been inspected and cleaned? Yes No
3. What is the system pressure? _____
4. What is the primary loop GPM? _____
5. What is the secondary loop GPM? _____
6. What is the system pH? _____
 - a. Date of last test: _____
7. What is the water hardness? _____ Units: _____
 - a. Date of last test: _____
8. Was the Flow Switch operation checked? _____
9. Was the water side flushed and/or cleaned? _____
 - a. What chemicals were used? _____
 - b. What type of inhibitor/glycol is used? _____

Fireside Inspection

1. Was a fireside inspection performed? Yes No
- a. If so, were new burner gaskets installed? Yes No
- b. Was any buildup found in the heat exchanger? Yes No
- c. How was the heat exchanger cleaned? _____

2. Check the components that were replaced:

- a. Igniter?
- b. Flame rod?
- c. Burner gasket?
- d. Other (please specify) _____
- e. Other (please specify) _____
- f. Other (please specify) _____

Summary

1. Is the boiler plant installed in accordance with AERCO guidelines and industry best practices? Yes No

a. If No, please describe the issues.

b. Who has been contacted? Please provide name & number for each person contacted (check all that apply)?

<input type="checkbox"/> AERCO Applications Engineer: _____	<input type="checkbox"/> General Contractor: _____
<input type="checkbox"/> Mechanical Contractor: _____	<input type="checkbox"/> Building Owner: _____
<input type="checkbox"/> Design Engineer: _____	<input type="checkbox"/> Plumber: _____
<input type="checkbox"/> Controls Engineer: _____	<input type="checkbox"/> Electrician: _____

2. Is there any conflict between the Installation & the Engineer's Specification or Design Plans? Yes No

a. If Yes, please describe the issues.

b. Who has been contacted? Please provide name & number for each person contacted (check all that apply)?

<input type="checkbox"/> AERCO Applications Engineer: _____	<input type="checkbox"/> General Contractor: _____
<input type="checkbox"/> Mechanical Contractor: _____	<input type="checkbox"/> Building Owner: _____
<input type="checkbox"/> Design Engineer: _____	<input type="checkbox"/> Plumber: _____
<input type="checkbox"/> Controls Engineer: _____	<input type="checkbox"/> Electrician: _____

3. Are there any conflicts or physical restrictions that will prevent the boiler plant from receiving proper preventative maintenance in the future? Yes No

a. If Yes, please describe the issues.

b. Who has been contacted? Please provide name & number for each person contacted (check all that apply)?

<input type="checkbox"/> AERCO Applications Engineer: _____	<input type="checkbox"/> General Contractor: _____
<input type="checkbox"/> Mechanical Contractor: _____	<input type="checkbox"/> Building Owner: _____
<input type="checkbox"/> Design Engineer: _____	<input type="checkbox"/> Plumber: _____
<input type="checkbox"/> Controls Engineer: _____	<input type="checkbox"/> Electrician: _____

AERCO Application Engineering Sign Off (If Necessary):
