



MODULEX BOILER INSTALLATION FORM

Please complete **ONE (1) form for each SITE** and return to AERCO for warranty validation within 30 days of start-up. 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 #: _____

AERCO Sales Rep: _____

Registered Equipment Serial Numbers

- MLX EXT 321
- MLX EXT 481/450
- MLX EXT 641/600
- MLX EXT 802/800
- MLX EXT 962
- MLX EXT 1123/1100

Serial #s	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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- MLX EXT 1530/1500
- MLX EXT 1912
- MLX EXT 2295/2300
- MLX EXT 2677/2600
- MLX EXT 3060/3000

Serial #s	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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- MLX 303
- MLX 454
- MLX 606
- MLX 757
- MLX 909
- MLX 1060

Serial #s	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
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Add serial numbers of additional units in NOTES if necessary

Venting

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

1. What is the total vent length run? _____
 - a. What is the total number of elbows in the ducting? 30° _____ 45° _____ 90° _____
 - b. Are all elbows spaced 5 feet apart and 2 feet from the starter piece on the first elbow? Yes No
2. Is the vent sealed with RTV? Yes No
3. Is the vent pitched back toward the boiler (1/4" per ft. length) per the Modulex Venting Guide? Yes No
4. Venting material used is (choose one): AL29-4C Polypropylene PVC CPVC
5. Venting manufacturer is: _____
6. Please describe venting configuration (check all that apply):
 Individual Vent Sidewall Termination Atmosphere (Natural Draft) Roof Termination
 Damper/Fan Breeched/Common (Units Vented Together)
7. Does the layout (overall length, pressure drop, breeching calculations, vent pipe wall thickness, etc.) comply with GF-136-V? Yes No

Combustion Air

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

1. Combustion air supplied through (check all that apply):
 Louvers to outside wall Horizontal ducting Direct or ducted combustion air
 Louvers to another room Vertical ducting Combustion air fan
2. What is the size of the ducting to individual units? _____
 - a. What is the size of the common ducting, if applicable? _____
 - b. What is the size of louvered opening? _____
3. Are there any draft inducers, combustion air fans or draft controllers on site? Yes No
 - a. If Yes, list all that apply: _____
 - b. Explain configuration: _____
4. Does the layout (overall length, pressure drop, breeching calculations, etc.) comply with GF-136-V? Yes No

Hydronic Installation

1. If there are multiple units, are the units piped "reverse-return"? Yes No
2. Are balancing valves or circuit setters installed? Yes No
3. Are motorized isolation valves installed? Yes No
4. What are the minimum/maximum design flow rates through the unit? Min: _____ GPM, Max: _____ GPM
 - a. Were the maximum & minimum flow rates verified? Yes No
5. The system is (check all that apply):
 - Water Source Heat Pump Primary/Secondary Pumping Other (please specify)
 - A Variable Flow System Used for Reheat
 - Reverse Return Combination Control

6. What is the design system flow rate? _____
7. What is the design plant delta T? _____
8. Are strainers installed in both the primary and secondary loops? Yes No
9. What is the strainer mesh size? _____
10. What is the system pressure? _____
11. What is the primary loop GPM? _____
12. What is the secondary loop GPM? _____

Mode of Operation

Individual Unit Control (choose one):

- | | |
|--|--|
| <input type="checkbox"/> Remote Set Point (Analog) | <input type="checkbox"/> Combination Boiler/Water Heater |
| <input type="checkbox"/> Remote Set Point (Network/MODBUS) | <input type="checkbox"/> ACS (see below) |
| <input type="checkbox"/> Direct Drive | <input type="checkbox"/> BMS (see below) |
| <input type="checkbox"/> Indoor/Outdoor Reset | <input type="checkbox"/> BMS II (see below) |
| <input type="checkbox"/> Constant Setpoint | <input type="checkbox"/> Other |

If ACS, BMS or BMS II is used, the mode of operation is in use (choose one):

- | | |
|---|--|
| <input type="checkbox"/> Constant Setpoint | <input type="checkbox"/> Combination Control Panel (CCP) |
| <input type="checkbox"/> Indoor/Outdoor Reset | <input type="checkbox"/> Network (MODBUS) |

If Network (MODBUS) is chosen above, the network type is in use (choose one):

- | | |
|------------------------------------|---------------------------------------|
| <input type="checkbox"/> Gateway | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> ProtoNode | |

If Building Automation System (BAS) Protocol is in use (choose one):

- | | |
|--|--|
| <input type="checkbox"/> BACNet (choose one): | |
| <input type="checkbox"/> IP (ProtoNode Only) | <input type="checkbox"/> MS/TP |
| <input type="checkbox"/> PTP | <input type="checkbox"/> ARC156 (XPC Model Only) |
| <input type="checkbox"/> Johnson Controls - N2 | |
| <input type="checkbox"/> LonWorks | |

ADDITIONAL NOTES:

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: _____ |
4. Please outline any exceptions that have been granted by AERCO Applications Engineering for this installation if necessary.
- _____
- a. AERCO Application Engineering Sign Off (If Necessary):
- _____

