



AM SERIES WATER HEATER INSTALLATION FORM

Please complete **one (1) form for each SITE** containing AM Series **WATER HEATERS**. 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 AM Series Water Heaters

	<input type="checkbox"/> 199	<input type="checkbox"/> 250	<input type="checkbox"/> 399	<input type="checkbox"/> 500	<input type="checkbox"/> 750	<input type="checkbox"/> 1000
Serial #s	_____	_____	_____	_____	_____	_____
(Add additional in Notes if needed)	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____
	_____	_____	_____	_____	_____	_____

ASME Stamp: H HLW
WH Style: Standalone Skid Integrated

General Installation

- Is the relief valve piped to drain or within 12" of floor? Yes No
- Is the condensate disposal system installed in accordance with the instructions in the latest version of the AERCO O&M? Yes No
- Is there an electrical service switch at the unit? Yes No
- Is the unit's drain piped to the floor or a drain or within 12" of the floor? Yes No
- Does any electrical conduit, ductwork or piping impede the serviceability of the unit or the ability to remove the sheet metal covers? Yes No
- Does each unit have a strainer installed in the inlet to the water heater? Yes No
- What is the strainer mesh size? _____
- What is the system pressure? _____
- Have all electrical components been verified for proper grounding? Yes No
- Has all communication wire been properly shielded? Yes No
- Does condensate gravity drain? Yes No
- Is a condensate pump used? Yes No
- Is the system application: Potable Water Process Storage tank Other _____

Water Heater Gas Supply

The questions below are related to the information in the AM Series Gas Supply Application Guide, GF-146-G

1. Type of Gas Supply: Natural Gas Propane
2. What is the static gas supply pressure to the water heater? _____
3. If the static pressure is more than 13" WC, is an external gas supply regulator installed? Yes No
4. What is the static gas supply pressure to the external supply regulators? _____
5. What is the make and model number of the external gas supply regulator? Make _____
Model _____
6. Are the external gas supply vent regulator lines installed per local code & manufacturer's requirement? Yes No
7. If this is a lock-up style external regulator, what is the size of the orifice? _____
8. The external gas supply vent regulator lines are: Individually run
 Manifolded together with other regulator vent lines
9. What is the BTU content of the gas? _____
10. What is the size of the gas supply header? _____
11. What is the length of gas pipe from the main meter? _____
12. Are there any other appliances connected to the gas supply line? Yes No
 - a. If Yes, please indicate the total BTU connected load: _____ MBH
13. Is the gas supply system installed in accordance with the AM Series Gas & Supply Application Guide, GF-146-G Yes No

Venting

The questions below are related to the information in the AM Series Venting Application Guide, GF-146-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 AM Series Venting Guide? Yes No
4. Venting material used is (choose one): AL29-4C Polypropylene PVC cPVC
5. Please describe venting configuration (check all that apply):
 Individual Vent Sidewall Termination Atmosphere (Natural Draft) Roof Termination
 Damper/Fan Breeched/Common (Units Vented Together)
6. Does the layout (overall length, pressure drop, breeching calculations, etc.) comply with GF-146-V? Yes No

Combustion Air

The questions below are related to the information in the AM Series Venting Application Guide, GF-146-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, vent pipe wall thickness, etc.) comply with GF-146-V? Yes No

AM Series Water Heater Installation

1. What is the storage tank's capacity? _____ Gal.
2. Are isolation valves installed in the **inlet** piping? Yes No
3. Are isolation valves installed in the **outlet** piping? Yes No
4. Are check valves installed in the cold water inlet? Yes No
5. Are check valves installed in the recirculation line? Yes No
6. Building recirculation is piped to: Inlet Side of Heater Tank None
7. Record distance of recirculation connections (ft) _____ & cold water feed (ft) _____ through bank of unit(s)
8. Are motorized isolation valves installed (external to the units)? Yes No
9. What are the maximum/minimum design flow rates through the unit? Max: _____ GPM, Min: _____ GPM
 - a. Were the maximum & minimum flow rates verified? Yes No
10. What is the design system flow rate? _____
11. What is the design plant delta T? _____
12. What is the manufacturer and model number of the anti-scald mixing valve?

Mode of Operation

Individual Unit Control (choose one):

- Remote Set Point (0 to 10 Volt Input)
 - Remote Set Point (Network/MODBUS)
 - Indoor/Outdoor Reset
 - Constant Set Point
 - Space heating and Domestic Hot Water (DHW)
 - Cascade Sequencer (specify manufacturer)
- _____

Water Quality

AERCO recommends that a sample of the unit's input water supply be tested to determine if it will have an adverse effect on the unit. Testing can be via a standard water quality test kit, widely available at retail hardware and home improvement stores. The following questions can be answered by such test kits.

1. What is the pH of the water? _____ (a pH between 7.5 to 9.5 is recommended)
2. What is the hardness of the water? _____ Grains per Gallon (5-20 is recommended)
3. What is the TDS (Total Dissolved Solids) of the water? _____ PPM (less than 200 is required)
4. Is there a water softening or treatment system installed? Yes No
 - a. If yes, what type?
 Salt No Salt Chemical Injection Other _____

Summary

1. Are the water heater(s) 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 water heaters 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:

a. AERCO Application Engineering Sign Off (If Necessary):

ADDITIONAL NOTES: