## SMARTPLATE INDIRECT FIRED WATER HEATER INSTALLATION FORM

Gaerco

A WATTS Brand	INSTALLATION FORM
Please complete <b>ONI</b> days of start-up. Afte	<b>E (1) form for each SITE</b> and return to AERCO for warranty validation within 30 or completion, e-mail this form to: <u>startup@AERCO.com</u>
Completed By:	Date:
	Site Location
Installation Name:	Technician:
Street Address:	Company:
City, State, Zip:	Phone #:
AERCO Sales Rep:	
	Equipment Classification
Please enter the	serial number and Unit Type for each installation below. Add additional units in ADDITIONAL NOTES if needed.
Single-Wall Heaters Double-Wall Heaters Double-Wall EV Hea Unit Type	: SP23, SP33, SP45, SP69, SP150 s: SPDW23, SPDW32, SPDW42, SPDW61, SPDW113 nters: SPEV30, SPEV40, SPEV60, SPEV90, SPEV140, SPEV140HF, SPEV200HF Serial Number

General Installation		
1. Is the relief valve piped to drain or within 12" of floor?	🗌 Yes	🗌 No
2. Is there an electrical service switch at or near the unit?	🗌 Yes	🗌 No
3. Does any electrical conduit, ductwork or piping impede the serviceability of the unit or the ability to remove the sheet metal covers?	🗌 Yes	🗌 No
4. Have all electrical components been verified for proper grounding?	🗌 Yes	🗌 No
5. Has all communication wire been properly shielded?		🗌 No
6. What is the system pressure? PSI		
7. The system application is:		
Potable Water     Process     Storage tank     Other		
8. Are all units installed in accordance with the clearances defined in the SmartPlate O&M?	🗌 Yes	🗌 No
a. If not, why not?		

Water Heater Installation		
1 le choos hib installed in the cutlet nining?		
<ol> <li>Are check valves installed in the cold water inlet?</li> </ol>		
3 Are check valves installed in the recirculation line?		
A Building recirculation is piped to:     Direction of Heater None		
5. Record distance of building connections (ft) & cold water feed (ft) to the bank	of unit(s)	
6. What are the maximum/minimum design flow rates through the unit? Max GPM, Mi	'n	GPM
a. Were the maximum & minimum flow rates verified?	🗌 Yes	🗌 No
7. What is the design system flow rate? GPM		
8. What is the design plant delta T? °F		
9. Is there a buffer tank used with the SmartPlate Heater?	🗌 Yes	🗌 No
a. If Yes, Is buffer tank supplied by AERCO?	🗌 Yes	🗌 No
b. Number of buffer tank ports: 🗌 2 ports 🗌 4 ports		
c. Buffer tank volume: Gallons		
10. What is the setpoint?		
11. What is the high limit set to?		
12. What boiler water temp is being supplied?		
13 What is the boiler water pressure?		
14 Is the boiler water control valve installed in 2-way or 3-way mode?	☐ 2-\W/av	□ 3-Wav
15. If a SmartPlate EV, is an isolation valve installed on the bunass piping?		
15. The Smart Plate have a dedicated baller nump?		
17. What is the flow rate of the nump?		
The second		
18. Has the flow been verified?	_ Yes	∐ No
For SmartPlate Heaters Using a Storage Tank		
1. Domestic Storage tank is:		
2. Does tank have?		
3. What is the storage tank's volume? Gallons		
4. What is the heater outlet temperature? °F		
5. Position of aquastat:	uastat	
6. What is the aquastat temperature setting? °F		
7. Does the aquastat control the pump between the tank and heater?	☐ Yes	∏ No
8. Is a throttling valve installed between the pump and heater?	 □ Yes	
9. Is there a bypass loop around the pump?	☐ Yes	
10 What is the capacity of pump between the tank and heater? GPM		

Mode of Operation						
If Network (MODBUS), the network type is (choose one):						
ProtoNode						
If Building Automation System (BAS) Protoc	col is in use (choose one):					
BACNet (choose one):						
IP (ProtoNode Only) MS/T	P					
	156 (XPC Model Only)					
Johnson Controls - N2						
LonWorks						
Water Ouglity						
Water Quality						
AERCO recommends that a sample of the unit's input water supply be to on the unit. Testing can be via a standard water quality test kit, widely as stores. The following questions can be answered by such test kits.	ested to determine if it will have an adverse effect vailable at retail hardware and home improvement					
1. What is the pH of the water?	(a pH between 6.5 to 9.5 is recommended)					
2. What is the hardness of the water?	Grains per Gallon (1-10 is recommended)					
3. What is the TDS (Total Dissolved Solids) of the water?	PPM (less than 350 is recommended)					
4. Is there a water softening or treatment system installed?	Yes No					
a. If yes, what type?						
Salt No Salt Chemical Injection Of	her					

	Summary			
1.	Are the water heater(s) installed in accordance with AERCO guidelines and industry best practices?			
	a. If No, please describe the issues.			
	h. Who has been contacted? Diseas provide new	no 8 number for each person contexted (check all that apply)?		
	AFRCO Applications Engineer	General Contractor		
	Mechanical Contractor:	Building Owner		
	Controls Engineer	Flectrician:		
2.	Is there any conflict between the Installation & the F	Engineer's Specification or Design Plans?		
	a. If Yes, please describe the issues.			
	·····,			
	b. Who has been contacted? Please provide nam	ne & number for each person contacted (check all that apply)?		
	AERCO Applications Engineer:	General Contractor:		
	Mechanical Contractor:	Building Owner:		
	Design Engineer:	Plumber:		
	Controls Engineer:	Electrician:		
3.	Are there any conflicts or physical restrictions that w proper preventative maintenance in the future?	will prevent the water heaters from receiving ☐Yes ☐Nc		
	a. If Yes, please describe the issues.			
	b. Who has been contacted? Please provide nam	ne & number for each person contacted (check all that apply)?		
	AERCO Applications Engineer:	General Contractor:		
	Mechanical Contractor:	Building Owner:		
	Design Engineer:	Plumber:		
	Controls Engineer:	Electrician:		
4.	Please outline any exceptions that have been grant	ted by AERCO Applications Engineering for this installation.		
	a. AERCO Application Engineering Sign Off (If N	lecessary):		
		J /		

## ADDITIONAL NOTES: