

SMARTPLATE INDIRECT FIRED WATER HEATER 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 the completed form to: **STARTUP@AERCO.COM**.

Completed By:	Date:				
	Site Location				
Street Address:					
		Equipment CI	assification		
		SmartF	Plate Single-Wall He	aters	
Unit Type: Unit Serial Number(s)		☐ SP33			☐ SP150
Unit Type: Unit Serial Number(s)	☐ SPDW23	SmartP SPDW32	Plate Double-Wall He	☐ SPDW61	☐ SPDW113
Unit Type: Unit Serial Number(s)	☐ SPEV30	SmartPla	SPEV60	Heaters SPEV90	☐ SPEV140
Add additional units in	ADDITIONAL NOT	ES if needed			

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?	☐ Yes	☐ 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?						

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	Water Heater Installation		
	Tator Hotaliation		
1. Is a ho	se bib installed in the outlet piping?	☐ Yes	☐ No
	eck valves installed in the cold water inlet?	☐ Yes	□ No
	eck valves installed in the recirculation line?	☐ Yes	☐ No
	g recirculation is piped to: Inlet Side of Heater None		
	distance of building connections (ft) & cold water feed (ft) to the bar		CDM
	re the maximum/minimum design flow rates through the unit? Max GPM, //ere the maximum & minimum flow rates verified?	Min ☐ Yes	GPM □ No
	s the design system flow rate? GPM	<u> </u>	
	s the design plant delta T?		
	re a buffer tank used with the SmartPlate Heater?	☐ Yes	□No
a. I	f Yes, Is buffer tank supplied by AERCO?	☐ Yes	☐ No
b. N	Number of buffer tank ports:		
c. E	Buffer tank volume: Gallons		
10. What	is the setpoint?		
11. What	is the high limit set to?		
	boiler water temp is being supplied?		
	is the boiler water pressure?		
	boiler water control valve installed in 2-way or 3-way mode?	☐ 2-Way	☐ 3-Way
	nartPlate EV, is an isolation valve installed on the bypass piping?		□ No
	the SmartPlate have a dedicated boiler pump?	 ☐ Yes	_ □ No
	is the flow rate of the pump? GPM	_	_
	ne flow been verified?	☐ Yes	☐ No
	For SmartPlate Heaters Using a Storage Tank		
4 D	atic Character Apple in		
	stic Storage tank is: Stratified Accumulator		
	tank have?		
	is the storage tank's volume? Gallons		
	is the heater outlet temperature? °F		
		aquastat	
	is the aquastat temperature setting? °F		
	the aquastat control the pump between the tank and heater?	☐ Yes	□ No
	rottling valve installed between the pump and heater?	☐ Yes	□ No
9. Is the	re a bypass loop around the pump?	☐ Yes	☐ No
10. What	is the capacity of pump between the tank and heater? GPM		

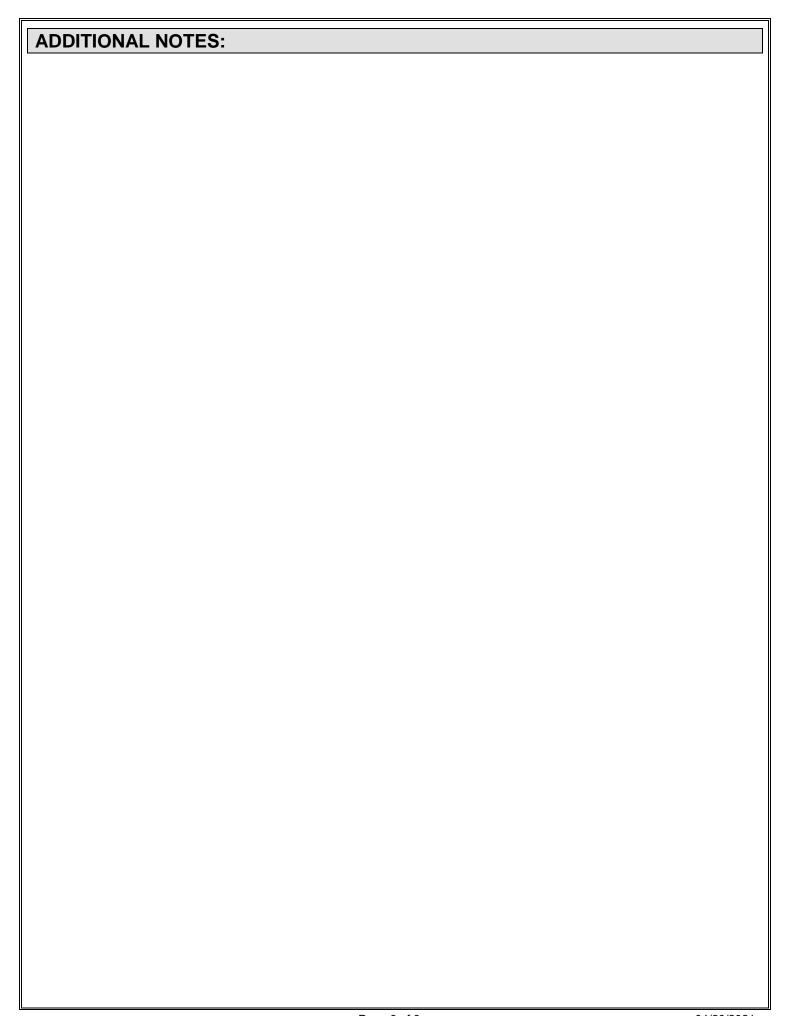
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	Mode of Ope	eration			
If Network (MODBUS), the network type is (choose one):					
☐ Gateway		Other:			
☐ ProtoNode					
<u> </u>	utomation System (BAS)	Protocol is	in use (choose one):		
BACNet (choose one):		_			
☐ IP (ProtoNode Only))] MS/TP			
PTP] ARC156 ()	XPC Model Only)		
☐ Johnson Controls - N2					
LonWorks					
	Water Qua	lity			
	the unit's input water supplard water quality test kit, wi	ly be tested dely availab	to determine if it will have an adverse effect le 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 S	olids) of the water?		PPM (less than 350 is recommended)		
4. Is there a water softening or treatme	ent system installed?		☐ Yes ☐ No		
a. If yes, what type?					
☐ Salt ☐ No Salt	☐ Chemical Injection	Other			

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	Summary						
1.	Are the water heater(s) installed in accordance with practices? a. If No, please describe the issues.	n AERCO guidelines and industry best	∐Yes	□No			
2.	b. Who has been contacted? Please provide name AERCO Applications Engineer: Mechanical Contractor: Design Engineer: Controls Engineer: Is there any conflict between the Installation & the Ear. If Yes, please describe the issues.	ne & number for each person contacted (check General Contractor: Building Owner: Plumber: Electrician: Engineer's Specification or Design Plans?	all that app	ly)?			
3.	b. Who has been contacted? Please provide name AERCO Applications Engineer: Mechanical Contractor: Design Engineer: Controls Engineer: Are there any conflicts or physical restrictions that we proper preventative maintenance in the future? a. If Yes, please describe the issues.	ne & number for each person contacted (check General Contractor: Building Owner: Plumber: Electrician: will prevent the water heaters from receiving	all that app	ly)?			
4.	·	☐ Building Owner: ☐ Plumber: ☐ Electrician:					
	a. AERCO Application Engineering Sign Off (If N	lecessary):					

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