									CONDS	TARTU	P250803		
CONDENSING BOILER and Water Heater Start-Up Form													
(REFER TO THE PRODUCT MANUAL FOR QUESTIONS REGARDING THE INSTALLATION AND OPERATION OF THIS PRODUCT)													
JOB NAME: DATE:													
INSTALLATION and START-UP PREPARATION PERFORMED BY:													
	COMPANY:					PO#:		SO#:					
	ADDRESS:						CONTACT:	:					
	CITY:		STATE:		ZIP:	TELEPHONE:							
Appliance Information													
Unit #					ŧ	PUMP A	PUMP MODEL						
1													
2													
3 4													
5													
6													
7													
8													
				T ank	Informa	tion							
Tank #	MC	DDEL	CAPACITY	S	ERIAL#	TYI	PE	ORIENT.					
1						☐ Buffer	10		Vertic				
						☐ DHW Storag ☐ Buffer	le .	Horizontal Vertical					
2						☐ DHW Storag	e		Horizo				
		BOILE	R / W ATE	R H I	EATER S	TART- U P P R	EP LIST						
				G as l	P reparat	ions							
	eter, Gas Line					Step-Do	own Regulator:		Yes		No		
to Appliance: Feet from				Sodiment transin		lled (ne - NFD 4							
regulator to appliance:				Sediment trap installed (per 54:				Yes		No			
Comn	non Gas Line Size:			Feet of gas line from meter to heater:									
Total 90° Elbows:					Stati	c Gas Pressure:							
						or Vent Line or t Limiter?	Ch	oose	one				

CONDENSING BOILER <u>and</u> W ATER H EATER S TART- U P F ORM												
Water Preparations												
Sy	stem Pipe Size:			Pipe Size to Appliance:								
Qty. of elbows betwee DHW tank O	een appliance & R system piping:			HW recirc	piped to common discharge from heater to DHW tank:		Yes	□ No				
Piping Arrangement:	Choo	ose One		Expansion tank:			Yes	□ No				
Sensor Location:	ose One	Sensor Installed Correctly; (Therm paste & completely in well				Yes	□ No					
Water Quality (ph, Hardness. See reg. in				Has Existing System Been Flushed?			Yes					
manual)				Is There A Mag-Separator Installed?			Yes					
Water Treatment:	ose One		Isolation valves on HWR & HWS of heaters:			Yes	□ No					
Recirculator	Make:				Pump HP:							
Pump:	Model:											
Thermal mixing va the discharge of	☐ Yes	□ No	T&PR sized	for combined BTUH of heating system:		Yes	□ No					
Temperature & Pres (T&PR) or Pressure R installed and pip	☐ Yes	□ No										
Electrical Preparations												
Voltage, Inc	oming Supply:	Choos	se One		Disconnects:		Yes	□ No				
Separat	☐ Yes	□ No	Outdoor Air Sensor:			Yes	□ No					
	BMS Interface:	☐ Yes	□ No		Conductor Control:		Yes	□ No				
	BMS interface:	Choos	e One			Yes	□ No					

CONDENSING BOILER <u>and</u> Water H eater S tart- U P F ORM													
Venting and Air Intake													
Combustion Air Opening Type:	Choo	ose One		Combustion Air Opening Size:									
Venting Material:	Choo	ose One		Vent Properly Supported: ☐ Yes ☐ No									
Vent Termination:	Choc	ose One		Venting Adapt	enting Adapter: Choose One								
Combustion Ai	ir Openings 12" From Floor:	☐ Yes	□ No	Room Air Ventilation Opening Size:									
Flue Drain Type:	Choc	ose One			Flue Test Port:	Yes	□ No						
Flue Drain Tra	pped Properly:	☐ Yes	□ No	Proper Vent Clearances									
Vertic	al Vent Height:			Horizontal Vent Length:									
<u>Total elbows used (i</u>	including boot t	ee)											
	0° Vent Elbows:			45° Vent Elbows:									
Condensate Neutr	ralizer Kit Piped to Floor Drain:	☐ Yes	□ No										
			Servic	e C learances									
	Front:			Rear:									
	Right Side:			Left Side:									
	Тор:												
Notes and Comments:													

CONDENSING BOILER and WATER HEATER START-UP FORM BOILER and WATER HEATER START-UP CHECKLIST Gas Supply Natural Gas \Box "wc Static Pressure (Unit Off): "wc LP Gas □ Dynamic Pressure (100% Fire): " (Inches) Gas Pipe Diameter: No Is there an inlet gas lockup regulator on the supply? Yes \square Is the field supplied gas pressure regulator a minimum of 10 ft ☐ No, Explain: Yes from the appliance? **C**ombustion **High Fire: Low Fire:** O₂: % 02 % % CO₂: % CO₂: ppm CO: ppm CO: **Excess Air: Excess Air:** % % °F °F **Stack Temperature: Stack Temperature:** Water Temperatures at 100% Firing Rate **Supply Temperature: Return Temperature:** Delta T: °F **E**lectrical **Supply Voltage: Total Amp Draw: Breaker Size:** Neutral to Ground, Less than 1Volt: ☐ Yes □ No

CONDENSING BOILER \underline{and} water **H**eater $\underline{\textbf{S}}$ tart- $\underline{\textbf{U}}$ P $\underline{\textbf{F}}$ ORM

Venting and Air Intake												
R	efer to O&M Man	ıual	s for Equiv	<mark>alent L</mark>	engths of Ve	nt a	nd Combustic	<mark>on Air</mark>	Compone	nts		
VENTING: M			Naterial:	laterial: Choose One				Diameter (In.)				
·		СС	MBUSTIO	N AIR				VENT		<u> </u>		
Component	Equivalent Length Per Piece	x	Quantity	· =	Subtotal Eqvuivale Length	- 1	Equivalent Length Per Piece	X	Quantity	=	Subtoto Equivale Lengtl	ent
Straight Pipe		х		=		Α		Х		=		D
90° Elbow		х		=		В		Х		=		E
45° Elbow		х		=		С		X		=		F
	Combustion Equivalent			II I			Vent Tota Le	ıl Equi ngth		=		
Vertical vent, w/sidewall air louvers(s) Horizontal vent, w/horizontal combustion air ductwork Vent / Air Termination: Horizontal vent, w/sidewall air combustion air ductwork Vertical or horizontal vent with only room air.												
				_	efer to O&M I		iual)					
 Make sure total equivalent length does not exceed max equivalent lent shown in Manual. Vent and combustion air terminals do not count toward total equivalent length. Pressure drop for flexible polypropylene liner is 20% greater than for rigid pipe. Multiply measure flexible polypropylene line length by 1.2 to obtain equivalent length. Max equivalent length of flexible polypropylene liner is 48 feet. 												
Notes and Comments:												
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