

# APEX CONDENSING BOILER START-UP FORM

(REFER TO THE PRODUCT MANUAL FOR QUESTIONS REGARDING THE INSTALLATION AND OPERATION OF THIS PRODUCT)

**JOB NAME:** \_\_\_\_\_ **MODEL #:** APEX C MODEL

**ADDRESS:** \_\_\_\_\_ **SERIAL #:** \_\_\_\_\_

**CITY:** \_\_\_\_\_ **ST:** \_\_\_\_\_ **ZIP:** \_\_\_\_\_ **DATE:** \_\_\_\_\_

**GAS SUPPLY:**     Natural Gas    Static Pressure (Unit Off): \_\_\_\_\_ "wc    Gas Pipe Diameter: \_\_\_\_\_ " (inches)

LP Gas    Dynamic Pressure (100% Fire): \_\_\_\_\_ "wc

Is there an inlet gas lockup regulator on the supply?         No

If **Yes**, is it ten feet upstream from the appliance?         No, explain: \_\_\_\_\_

**COMBUSTION:**

<u>High Fire:</u>	<u>Low Fire:</u>
O <sub>2</sub> : _____ %	O <sub>2</sub> : _____ %
CO <sub>2</sub> : _____ %	CO <sub>2</sub> : _____ %
CO: _____ ppm	CO: _____ ppm
Excess Air: _____ %	Excess Air: _____ %
Stack Temperature: _____ °F	Stack Temperature: _____ °F

**WATER:**    Supply Temperature: \_\_\_\_\_ °F    Return Temperature: \_\_\_\_\_ °F    Delta T \_\_\_\_\_ °F

**ELECTRICAL:**    Supply Voltage: \_\_\_\_\_    Total Amp Draw: \_\_\_\_\_

<u>VENTING &amp; AIR INTAKE:</u>			<u>Combustion Air:</u>			
<i>Refer to O&amp;M Manual Dated 9/15 or Later</i>						
<u>Vent:</u>			<u>Material:</u> _____			
Material: _____			Material: _____			
Diameter: _____ "			Diameter: _____ "			
			<u>Sub-Total</u>			
* 90° SR Elbow: _____ Qty	ft / ea	_____ ft	90° SR Elbow: _____ Qty	ft / ea	_____ ft	
90° LS Elbow: _____ Qty	ft / ea	_____ ft	90° LS Elbow: _____ Qty	ft / ea	_____ ft	
45° Elbow: _____ Qty	ft / ea	_____ ft	45° Elbow: _____ Qty	ft / ea	_____ ft	
Horizontal Straight: _____ Lgth	1 ft / 1ft	_____ ft	Horizontal Straight: _____ Lgth	1 ft / 1ft	_____ ft	
* Vertical Straight: _____ Lgth	1 ft / 1ft	_____ ft	Vertical Straight: _____ Lgth	1 ft / 1ft	_____ ft	
Total Equiv. Length: _____ ft			Total Equiv. Length: _____ ft			

\* Includes the (1) CPVC 90° & (1) CPVC 2.5' supplied with the boiler  
 \*\* SR - Short Radius / LS - Long Sweep/Sanitary Elbow

**Notes (Refer to O&M Manual):**

1. Make sure total equiv. length does not exceed max equiv. length shown in Manual.
2. Vent and combustion air terminals do not count towards total equivalent length.
3. Pressure drop for flexible polypropylene liner is 20% greater than for rigid pipe. Multiply measured flexible polypropylene line length by 1.2 to obtain equivalent length.
4. Max equivalent length of flexible polypropylene liner is 48 ft.
5. All elbows referenced are short radius.

Vent / Air Termination:

Vertical Vent w/ Room Air     Vertical Direct Vent

Horizontal Vent w/ Room     Horizontal Direct Vent

Vertical Vent w/ Sidewall Air

**CLEARANCES:**    Front: \_\_\_\_\_    Left Side: \_\_\_\_\_    Top: \_\_\_\_\_

                         Rear: \_\_\_\_\_    Right Side: \_\_\_\_\_

NOTE: Minimal clearance to combustible material is 1". Service clearances recommended for access is 24".

**NOTES / COMMENTS:** \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

<u>START-UP PERFORMED BY:</u>	<u>START-UP APPROVED BY:</u>
COMPANY: _____	COMPANY: _____
ADDRESS: _____	ADDRESS: _____
CITY: _____ ST: _____ ZIP: _____	CITY: _____ ST: _____ ZIP: _____
NAME: _____ PHONE: _____	NAME: _____ PHONE: _____