# APEX CONDENSING BOILER START-UP FORM

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

**JOB NAME:**

**ADDRESS:**

**CITY:**

**ST:**

**ZIP:**

**MODEL #:**

**SERIAL #:**

**DATE:**

**GAS SUPPLY:**

- Natural Gas
- LP Gas

**Static Pressure (Unit Off):** ________ "wc

**Dynamic Pressure (100% Fire):** ________ "wc

**Gas Pipe Diameter:** ________ " (inches)

**Is there an inlet gas lockup regulator on the supply?**

- Yes
- No

**If Yes, is it ten feet upstream from the appliance?**

- Yes
- No, explain:

**COMBUSTION:**

**High Fire:**

- \( O_2: \) ________ %
- \( CO_2: \) ________ %
- \( CO: \) ________ ppm

**Low Fire:**

- \( O_2: \) ________ %
- \( CO_2: \) ________ %
- \( CO: \) ________ ppm

**Excess Air:** ________ %

**Stack Temperature:** ________ °F

**WATER:**

**Supply Temperature:** ________ °F

**Return Temperature:** ________ °F

**Delta T:** ________ °F

**ELECTRICAL:**

**Supply Voltage:**

**Total Amp Draw:**

**VENTING & AIR INTAKE:**

**Vent:**

**Combustion Air:**

**Material:**

**Diamenter:**

**Diamenter:**

**Sub-Total**

**Sub-Total**

- \( 90° SR Elbow: \) ________ Qty \( ft/ea \)
- \( 90° SR Elbow: \) ________ Qty \( ft \)
- \( 90° LS Elbow: \) ________ Qty \( ft/ea \)
- \( 90° LS Elbow: \) ________ Qty \( ft \)
- \( 45° Elbow: \) ________ Qty \( ft/ea \)
- \( 45° Elbow: \) ________ Qty \( ft \)
- \( Horizontal Straight: \) ________ Lgth \( 1 ft/1ft \)
- \( Horizontal Straight: \) ________ Lgth \( 1 ft/1ft \)
- \( * Vertical Straight: \) ________ Lgth \( 1 ft/1ft \)
- \( * Vertical Straight: \) ________ Lgth \( 1 ft/1ft \)

**Total Equiv. Length:** ________ ft

**Total Equiv. Length:** ________ ft

**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.

**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:**

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**START-UP PERFORMED BY:**

**START-UP APPROVED BY:**

**COMPANY:**

**COMPANY:**

**ADDRESS:**

**ADDRESS:**

**CITY:**

**ST:**

**ZIP:**

**CITY:**

**ST:**

**ZIP:**

**NAME:**

**NAME:**

**PHONE:**

**PHONE:**