

# INTELLI-FIN INSTALLATION AND START-UP CHECKLIST

Model Number: \_\_\_\_\_ Job Name: \_\_\_\_\_  
Serial Number: \_\_\_\_\_ Address: \_\_\_\_\_  
Start-up Date: \_\_\_\_\_

Neuron ID # (located on rear of unit adjacent to terminal connections): \_\_\_\_\_ City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Retrofit: \_\_\_\_\_ Nat. Gas: \_\_\_\_\_ How many units are installed at this location? \_\_\_\_\_ Type of building: \_\_\_\_\_  
New: \_\_\_\_\_ Propane: \_\_\_\_\_ Boiler(s): \_\_\_\_\_ Water Htr(s): \_\_\_\_\_ Total Btu/hr reqm't of all gas equipment at this location? Btu/hr: \_\_\_\_\_  
If gas pipe, regulator and meter are not sized correctly, list the discrepancies: \_\_\_\_\_

Inspect gas pipe, regulator and meter sizing.  
Is it sized correctly for the Btu/Hr requirement? Yes or No: \_\_\_\_\_

**GAS SUPPLY**  
(record values in inches of water column) Incoming Static Pressure: \_\_\_\_\_ Incoming Dynamic Pressure: \_\_\_\_\_ Supply Voltage VAC: \_\_\_\_\_  
(no units operating) (all units operating) (unit operating)

Bleed air from the by-pass piping by opening bleed valve in pump housing. Comments: \_\_\_\_\_

Is the bleed valve and tubing properly installed? Yes or No: \_\_\_\_\_

Disconnect the by-pass valve wire harness. Depress clutch release on valve actuator. Manually move valve to CLOSED position. (Arrow pointer on valve handle indicates closed at 0° and full open at 90°.) **NEVER MOVE HANDLE WHILE POWER IS APPLIED TO THE VALVE.**

**WATER** - At 100% fire, read and record: Comments: \_\_\_\_\_

Inlet Temp: \_\_\_\_\_ Outlet Temp: \_\_\_\_\_ Delta T: \_\_\_\_\_

Reconnect by-pass wire harness and observe the cold start-up process by-pass synchronization process. Yes or No: \_\_\_\_\_

## **VENTING**

Vertical Flue: \_\_\_\_\_ Horizontal Flue: \_\_\_\_\_ Equivalent Flue length (ft.): \_\_\_\_\_

Flue dia. (in.): \_\_\_\_\_ Flue material: \_\_\_\_\_ Drain T installed with trap loop? Yes or No: \_\_\_\_\_ Drain T piped to - Drain: \_\_\_\_\_  
(check one) Neutralizer tank:

Corrections needed for flue venting: \_\_\_\_\_

## **AIR INLET**

Vertical Pipe (ft.): \_\_\_\_\_ Horizontal Pipe (ft.): \_\_\_\_\_ Equivalent Pipe length (ft.): \_\_\_\_\_

Pipe dia. (in.): \_\_\_\_\_ Pipe material: \_\_\_\_\_ Combustion and ventilation air openings: \_\_\_\_\_ Louver openings (total sq. in.): \_\_\_\_\_

Clearance between air inlet and flue outlet (in.): \_\_\_\_\_ Corrections needed to air inlet piping or openings: \_\_\_\_\_  
(direct vent installation)

Heat exchanger piped to - Neutralizer tank: \_\_\_\_\_  
(check one) Drain: \_\_\_\_\_ Modem phone number: \_\_\_\_\_

List all remote mounted control devices installed: \_\_\_\_\_

**CLEARANCES** - Measure and record (inches) the service clearances from the nearest obstruction (min. 24" required for service):

Front: \_\_\_\_\_ Rear: \_\_\_\_\_ Top: \_\_\_\_\_ List all corrections req'd for service clearances: \_\_\_\_\_  
Construction filter in place upon arrival? Yes or No: \_\_\_\_\_ Removed before departing? Yes or No: \_\_\_\_\_

## **FINAL SETTINGS**

Set Point (°F): \_\_\_\_\_ Max. Set Point: \_\_\_\_\_ O.A. Min: \_\_\_\_\_ Command display password? \_\_\_\_\_

Operating sensor: \_\_\_\_\_ Sequencing type: \_\_\_\_\_ Heater ID: \_\_\_\_\_ Unit operating when you left jobsite? Yes or No: \_\_\_\_\_

## **START-UP PERFORMED BY:**

Company: \_\_\_\_\_

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

## **START-UP APPROVED BY:**

Company: \_\_\_\_\_

Name: \_\_\_\_\_

Phone: \_\_\_\_\_

Send completed form to:

Email: 2tech@Lochinvar.com

Fax: (615)882-2963

Mail: Service Dept/Lochinvar  
300 Maddox Simpson Pkwy.  
Lebanon, TN 37090



**Lochinvar®**  
High Efficiency Water Heaters and Boilers

Internal Use:

S/O #: \_\_\_\_\_

Routed: \_\_\_\_\_

Tech: \_\_\_\_\_

App: \_\_\_\_\_ Denied: \_\_\_\_\_