



## **EQUIPMENT SPECIFICATIONS**

### **MAXIMUM GAS FLOW RATES**

*(May Vary Due to BTU Value of Gas)*

- **Methane** – 6 MMSCFD; 170 e<sup>3</sup>m<sup>3</sup>/day
- **Conventional Wellhead Gas** – 3.0 MMSCFD; 80 e<sup>3</sup>m<sup>3</sup>/day

**NOTE:** **Visible flame may be seen if operating outside these parameters.**

### **OPERATING PRINCIPLES**

The AWI system is fully automatic. Fan speed will increase / decrease to provide more or less air to optimize the combustion process as required. As the gas flow is increased the temperature will rise. Once the temperature **EXCEEDS 1300° Celsius**, Reduce the gas flow to allow the temperature to drop back into the operating range.

### **MAXIMUM TEMPERATURE**

**1300° Celsius**

**Operation over this temperature may result in equipment damages.**

### **EQUIPMENT GROSS WEIGHT**

36,000 lbs / 16,500 kgs

### **VERTICAL CENTER OF GRAVITY**

Approximately 12' from skid base

**NOTE:** 16,500 lbs / 7,500 kgs of total weight is located in skid base

### **POWER REQUIREMENTS**

45 Kilowatt, 460 VAC, 3 Phase, 60 Hz

### **NOTE: FOLLOWING ITEMS ARE THE RESPONSIBILITY OF THE USER**

- PLACEMENT OF INCINERATOR, GENERATOR AND PROPANE PIG
- EQUIPMENT GROUNDING
- PURGING

## **ERECTING**

### **Picker Truck Assembly Requirement**

- Minimum picker size **25 tons** and winch tractor to assist in standing incinerator. Raise incinerator with picker and stabilize with winch tractor. **Picker slings are NOT designed to lift complete unit off the ground.**

### **Bed Truck Assembly Requirement**

- Minimum bed truck size **385"** tandem.

**\* ENSURE INCINERATOR IS LEVEL AND POSITIONED ON STABLE GROUND.**

**\* All slings are to remain with incinerator.**

## **EQUIPMENT SETUP AND INSTALLATION**

### **1. GAS FEED LINE FROM THE PRESSURE TANK**

Tie into the inlet line.

**NOTE:** **Incinerator WILL NOT CREATE or REQUIRE any backpressure.**

### **2. EMERGENCY GAS LINE OR 400 BBL TANK VENT LINE**

Tie into the pop line.

### **3. POWER SUPPLY 480V 3 PHASE 54 AMPS**

Unwrap the incinerator power cable and tie into the generator as per instructions on generator.

### **4. PROPANE ASSIST (IF REQUIRED)**

Tie propane feed from vaporizer into 1" valve on inlet line.

### **5. IGNITER PROPANE**

Tie ½ inch propane hose into supplied 500 lb propane bottle (life span ~ 2 – 4 days).

### EXTERNAL PROPANE SOURCES

May be tied into the 1" valve on the propane feed line marked "*External Propane*".

**NOTE:** Propane supply is the responsibility of the user.

## START UP

### **IMPORTANT:**

**PRIOR TO STARTING AND ENERGIZING GENERATOR, ENSURE ALL SWITCHES ON INCINERATOR ARE IN THE OFF POSITION.**

1. **START GENERATOR AND ENGAGE MAIN BREAKER**

Allow ***10 minutes warm-up period*** before starting incinerator (in cold weather allow longer warm up times with main breaker ON to allow heater to warm electrical panel.

**NOTE:** GENERATOR MAINTENANCE FUEL AND OIL LEVELS ARE THE RESPONSIBILITY OF THE USER.  
(Contact AWI should service be required.)

2. **START IGNITER**

Turn the igniter switch to the "ON" position.

3. **OPEN 500 LB PROPANE BOTTLE OR EXTERNAL PROPANE SUPPLY**

Ensure ***ALL*** valves from propane supply are **OPEN**.

4. **VISUALLY CHECK IGNITERS**

Climb up the fixed ladder, *following current site safety policies*, open door and visually check for blue flame or heat wave above pilot.

**NOTE:** Blue flame may be difficult to detect.

5. **START FANS**

Turn the fan switch to the "ON" position. Within 30-60 seconds the fans will start and rotate at a slow speed.

6. **GAS FEED**

The incinerator is now ready to receive gas. **SLOWLY** introduce gas from source. Once the temperature exceeds **1200° Celsius**, the control valve will open and excess gas will be diverted to the onboard flare.

**DO NOT INTRODUCE WELL HEAD GAS WITHOUT ENSURING PILOTS ARE BURNING. FAILURE TO DO SO COULD RESULT IN PERSONAL INJURY AND/OR EQUIPMENT DAMAGE.**

## SHUT DOWN

1. **Gas Feed**

Allow incinerator to cool down for 5 - 10 minutes. Discontinue gas feed from source.

2. **Stop Fans**

Turn the fan switch to the "OFF" position.

3. **Shut Off Propane**

Ensure ***ALL*** valves from supply are closed, including 500 lb. bottle.

4. **Stop Igniters**

Turn the igniter switch to the "OFF" position.

5. **Stop Generator**

Shut off main disconnect. Shut down generator.

## EQUIPMENT DISCONNECTING & LOADING

1. **Knock Out Drum**

***PRIOR to laying down unit,*** DRAIN THE KNOCK OUT DRUM located at the bottom of the stack. Close drain valve and replace plug after draining.

2. **Power Supply and Gas Lines**

Disconnect and wrap up electrical cable. Replace all protective caps and plugs.

3. **Close Doors**

Close and latch doors.

4. **Lay Down Incinerator**

Lay down incinerator following erecting instructions.

5. **Load Incinerator**

Winch incinerator onto trailer and chain down securely.

6. **Return Cable Slings**

After loading, cable slings should be returned to the cable holder along the side of the unit). **ALL slings are to remain with incinerator.**

**DO NOT LAY CABLES ON THE HIGH TEMPERATURE LINING INSIDE  
THE UNIT**

Electrical panel & controls are locked at all times for your protection from live 460 Volt electrical power. If you encounter any operational problems, please refer to equipment manual for more detailed instructions or call AWI 24 hrs. at 1-888-778-0960 (Toll Free).