Operational Flowchart for Model P400-120

The Process below is to assist in trouble shooting a possible problem. If problem persists, please call Technical Support (770-529-5640).

Turn AIRFLOW

Spark?

Are All

Gas Valves

open?

Did

HEAT ON

Light Come

ON?

Start the

Heat Treatment

yes

yes

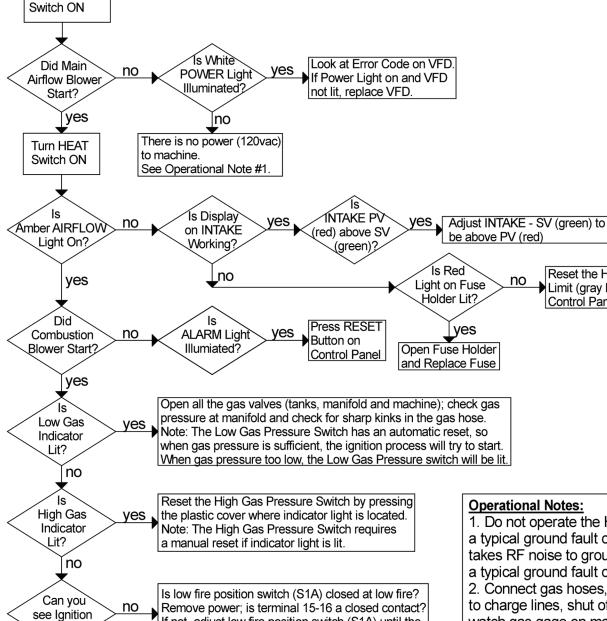
yes

no



LUC - Voltage varies too much so plug into a different circuit or use heavier gauge extension cord. OL2- Reduce the AIR VOLUME or Add Duct to Discharge. OHC - VFD is HOT. reduce AIR VOLUME or Cool Control Panel. Manual Reset: Unplug, wait 1 min. Plug In, then Restart

Error Codes for VFD



If not, adjust low fire position switch (S1A) until the switch is closed at low fire.

There is a loose wire or defective part. Call Tech Support.

Purge the gas supply hose by forcing a flow of propane through the hose with a purging valve. Establish a procedure to prevent gas from escaping during the tear down (close valves and disconnect Quick Disconnects before removing regulators at tank to keep gas in hose)

For emergencies, please leave a message at the Office and call Dave's mobile 678-464-1443 or Kevin's mobile 678-480-6583

Operational Notes:

be above PV (red)

ves

1. Do not operate the Heat Injector from a typical ground fault circuit (Heat Injector takes RF noise to ground and it will trip a typical ground fault circuit).

Reset the High Temp

Limit (gray box inside

Control Panel)

- 2. Connect gas hoses, turn on gas supply to charge lines, shut off gas supply and watch gas gage on manifold to ensure the pressure holds. If it falls, check for gas leaks in the supply lines before proceeding.
- 3. To perform Heat Treatment: Set Heat Injector to get fresh air, install Discharge Duct, set Discharge Temp, Adjust Airflow (normally to maximum), close Air Inlet Gate and raise the Modulation Damper. When Air Intake records high levels of heat, Pressurize structure by opening Air Inlet Gate and lowering Modulation Damper. 4. If either the DISCHARGE or the INTAKE
- Controllers has flashing RED numbers, the high or low Range needs to be changed to operate (hold SET for 3 seconds and scroll down to adjust Range to stop flashing)
- 5. The Flashing GREEN of the Temperature Controllers is only an indication that Present Value (PV) is outside Setpoint Value (SV).