



PP30 Gasifier Tune-up

At 550 run hours Maintenance is performed on the following items:

Gaskets:

If warped or damaged then replace. Clean off tar and ash buildup

- Replace: Cyclone Collection Can Gasket: 4" Sani Tube PTFE Gasket
- Check / Replace: ACV Lid Sani Gasket: 4" Sani Tube PTFE Gasket
- Replace: PTFE Gasket for Sanitary Tube Fitting for 2" Tube OD (Ash Collection Vessel)
- Replace: Hopper Lid Gasket

Graphite rope

If graphite rope is flattened or damaged then replace. Remove old graphite rope with a box cutter knife. Cut to length and fill the crevice with graphite paste. Lay the new graphite rope in the crevice and press down so it sinks all the way to the bottom

- Check / Replace: 3/16" SQ Graphite Rope (Grate Door)
- Replace: 3/16" SQ Graphite Rope (cyclone outlet)

Air and Gas Systems

- Clean Air Intake Check Valve
 - Using pipe wrench unscrew check valve assembly from the side of the Pyroreactor
 - Using a wire brush, alcohol and paper towels clean away any tar build up
 - ReInstall into Pyroreactor
- Inspect / Clean gas blowers with solvent
 - Switch on power and turn knobs to max. If blowers run making their normal whirring sound, they pass. If they fail to run, make scraping or grinding sounds, they will need to at least be cleaned
 - Look around the fan blades for any tar build up
 - Remove plate and use alcohol, wire brush and paper towels to clean the tar from the housing and blades