

Liquefier System Shut Down

Rev. Jun 1, 2023

1. Main Panel
2. To Purification Mode
3. Pure-R Stop (Once to final regen twice to immediately stop)
4. On DAQ page should read "Final Regen"
5. Wait for the Purifier regen to finish completely. Should read "OFF"~7 minutes
6. Close the valve on the green tank.
7. Unload compressor(s).
8. Wait less than a minute.
9. Go to Liquefaction Mode
10. Push the Engine Control STOP
11. Wait for flywheel to fully stop and PI-32 to stop increasing.
12. Go to Comp page.
13. Press the Compressor Control(s) STOP
14. Wait about a minute for pressures to settle.
15. Close Lookout Direct on Laptop
16. Turn off HLD Update
17. Close valve on medium pressure tank
18. Close Control Air on wall.
19. Close three screw compressor cooling water valves, (two places).
20. Switch off the screw compressor module power at the disconnect switch(es)
21. Switch off the liquefier module power at the disconnect switch
22. Close Pure (Yellow pointed) and Impure (Black pointed) Feed valves at the Gasboard
23. If the impure is below 600 psi, consider ordering liquid.
24. Close the LN2 manual valve on back of the liquefier
25. Check and record hours for Maintenance logbook.

If the Internal Purifier was used;

1. Open/vent V606
2. Attach GN2 purge flowmeter to QC6
3. Attach GN2 purge supply hose with flowmeter to QC4.
4. Open V640
5. Input flowmeter set to 20 scfh.
6. Open new valve T'ed into V632 on water drain line.
7. Set output flow to 10 scfh.

For unattended shut-downs;

1. If leaving it off, Do step 6 and proceed from step 11 or 13 depending if the screw comp shut itself down.
2. If restarting, Find a cause for the shut-down and correct it.
3. Go to step # 33 on the start-up instructions HX.