



Gryphon Dryer [asset 2042](#)

Gryphon Model 318 Biomass Dryer – Operational Control

- All automatic operation once dryer settings are chosen and the dryer is started
- Touchscreen Control Panel: All control & adjustments are made on the touchscreen control panel on the cabinet, with a few minor exceptions. The system can also be accessed remotely in order to make system or program changes.
- Dryer Use was drying hemp biomass:
 - Biomass entered the dryer around 50%-80% moisture and exiting around 7%-11% moisture.
 - Process throughout: Processed approximately 3,000 pounds of biomass per 24 hour shift, which equated to approximately 1,000 pounds of dry biomass. This varied throughout harvest season depending on biomass quality, dryer temperature settings, belt speed, thickness of biomass on dryer belt, etc..
 - It is a very efficient closed system
- This is a natural gas-fired recirculating air dryer. There are also supplemental electric heaters in each section (3) of the hood.
- The feed belt conveyor was fabricated separately and is a cleated rubber belt, 23.625" wide.
- Controls: Allen Bradley Compact Logix PLC bed skirts/spacers
- Spare parts included are: 4 condenser filters, 1 spare dryer belt,
- Unit was purchased new in 2019 - only has 1,289 hours operation. Very good condition

General Description:

Gryphon biomass gas fired recirculating air dryer. Model A.318. dryer section is 3 ft wide x 18 ft long. Natural gas burner with all gas train valves, firing controls and Honeywell fire eye safeties. Air flow is by AirPro blower 40 HP with VFD drive AB PowerFlex 753. All drives (6) have VFDs in Allen Bradley PowerFlex 525. Includes infeed sifter and lid lift assembly for easy maintenance and operation. Full automation by Rockwell Allen Bradley Logix plc. Automated washing of chambers, air filter, and belt. A CTS cooling tower is part of the package. No need for baghouses, scrubbers, or exhaust stacks.

See graphic schematic next page



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ADVANCED DRYING TECHNOLOGY

