

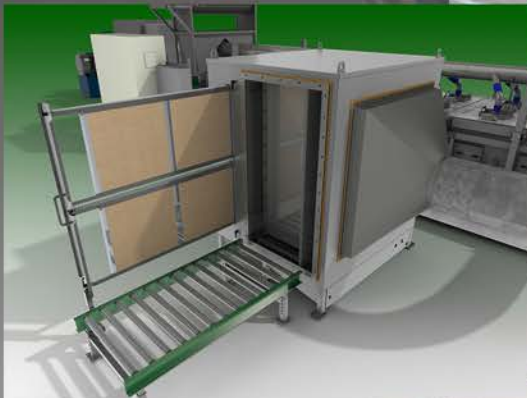


Advanced Drying Technology

Gryphon Environmental's advanced drying technology uses combinations of positive and negative air pressures to efficiently remove water by both evaporative and non-evaporative means. Our remarkably versatile dryers are wrapped in a compact, modular design that enables rapid production, installation and commissioning. Less expensive to own and operate, Gryphon dryers include a re-circulating air stream, enhanced automation software and maintenance-friendly condenser and filtration designs.



Model 520



Condenser and Filters



Installed Model 530

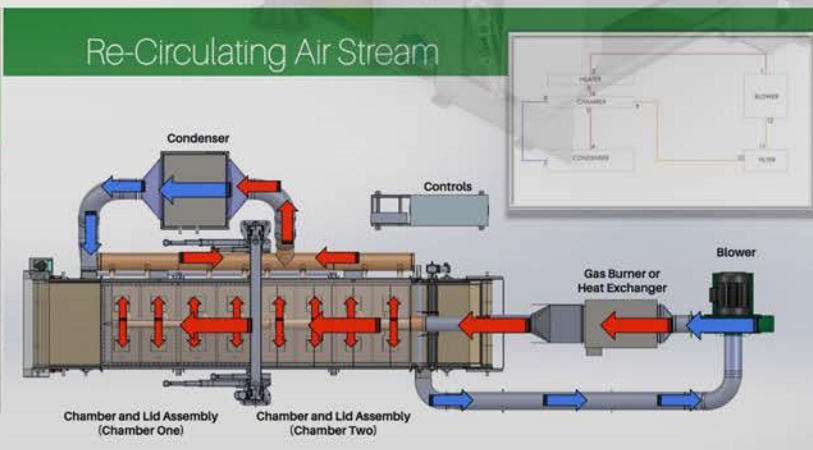


TECHNOLOGY ADVANTAGES

- o Modular Design enables 10 foot sections to be added to the length of the dryer for increased capacity. This advancement reduces capital costs, lead times for delivery and the time and costs for installation.
- o Advanced thermodynamics enhances efficiency, with a resulting thermal energy demand of only 2.1 MMBTU Per Ton of Water Removed.
- o Re-circulated air stream reduces/eliminates exhaust released to atmosphere and associated permitting. Eliminates the needs for bag-houses, scrubbers or exhaust stacks.
- o Flexible throughput enabled by advanced temperature and air volume controls. – ENABLES “ON THE FLY” AUTOMATION.
- o Advanced software enables “lights-out” operation and three-level alarming.
- o Reduced maintenance enabled by air filters that can be rapidly swapped during operation of the dryer.
- o Automated Dryer washing of chambers and belt.
- o The automated control of air volume, air temperature, and cycle time can be tied to infeed temperature and moisture monitoring for advanced automation.
- o Less than 15 minute Start-up time to begin full dryer operation.
- o Less than 15 minute Shut-down that includes 10 minutes of visual inspection.
- o Reduced installation and commissioning costs made possible with a modular design that enables installation in weeks rather than months.
- o Remote diagnostics capability along with PI data collection and trending options.
- o Low injection and chamber temperatures enhances drying safety.



Gryphon Dryer Model	Drying Chamber Width (ft.)	Drying Chamber Length (ft.)	US Tons Water Removed Daily	MMBTU Used Per Hour
Model 510	2.5	10	5	0.44
Model 520	5	20	10	0.88
Model 530	5	30	15	1.31
Model 1020	10	20	20	1.75
Model 1030	10	30	30	2.63
Model 1040	10	40	40	3.50
Model 1080	10	80	80	7.00



For manufacturing and installation efficiency, five-by-ten or ten-by-ten modules are bolted together in a series to produce larger systems. Gryphon dryers are expandable and can utilize natural gas, biogas, waste heat, steam or electricity for the thermal energy demand.

