

ECONOMICAL

COMPACT

SAFE



The image shows a compact industrial dehydrocombusTOR unit. It consists of a tall, cylindrical black metal structure with a mesh safety cage around the middle section. To the left is a white control cabinet with a door and a control panel. The entire unit is mounted on a white base. The background is a dramatic sky with red and blue clouds.

CIMARRON
ENERGY

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DEHYCOMBUSTOR

Quad 0

DEHYCOMBUSTOR



Introduction

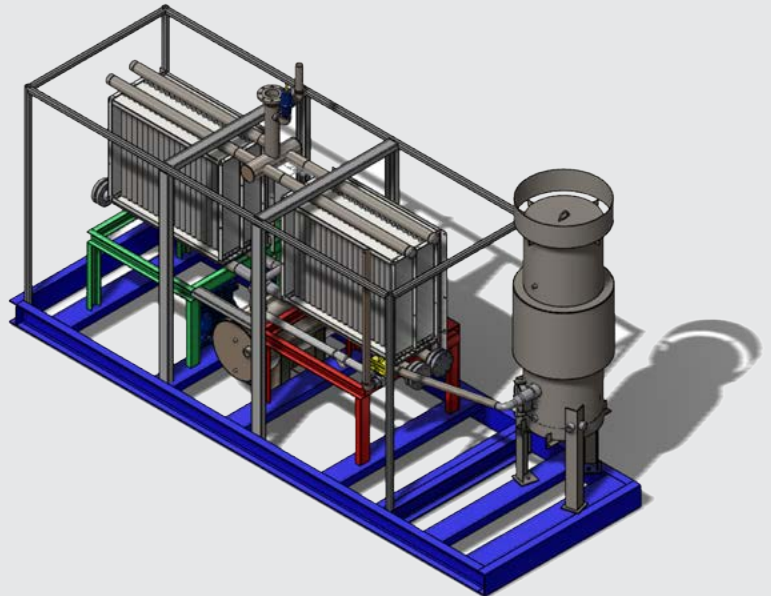
As the EPA implements new regulations for glycol dehydration, producers are looking for a reliable solution to efficiently eliminate emissions. The Cimarron DehyCombustor combines a BTEX condenser with a EPA certified combustor to eliminate BTEX emissions from the Dehy site.

Benefits

- Eliminates the need to send still column vapors to the reboiler which is a common cause of regenerator fires and reduced emissions control efficiency.
- Allows for the continued use of Energy Exchange Glycol Pumps due to 99% gas consumption destruction
- Compact design provides small footprint

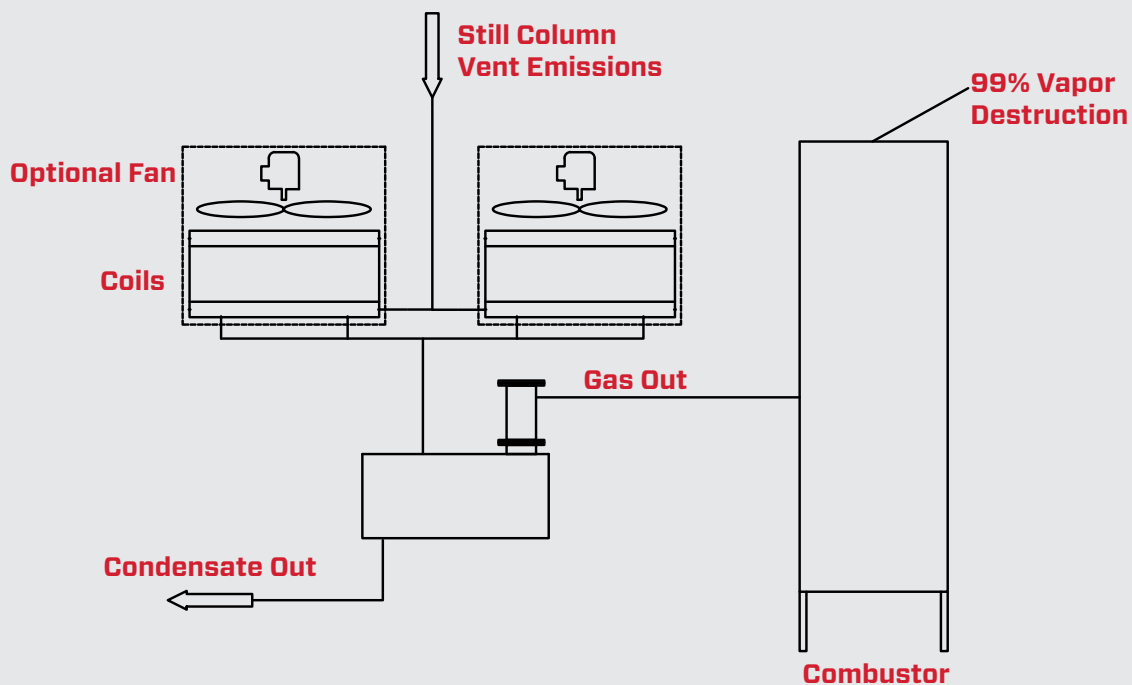
Features

- Designed to address the increasingly stringent EPA standards specific to natural gas dehydration emissions.
- Skid mounted (no assembly required) and fully enclosed models available for severe cold weather service and open air for warm weather service.
- Available in both fan cooled and natural draft.
- All wetted parts are 304 Stainless Steel
- Fully ASME code construction
- EPA certified Quad 0 vapor destruction
- On-site vapor destruction data logging and/or SCADA communication available.



Operation

Glycol regenerator still column vapor is delivered to a fin tube condenser where both hydrates and BTEX are condensed out and delivered to a liquid collector. Downstream of the condensing coil(s) dry waste gas is delivered to a Quad O Certified Combustor with a 99.996% Destruction rate. All Cimarron combustors have been “manufacturer-performance tested” and certified in accordance with the EPA’s strict new NSPS OOOO emission standards for storage vessel control devices (referred to as “Quad-O” EPA compliance).



DEHYCOMBUSTOR CODE BUILDER

	Base Code	BTU/Hr	Fan Cooled		Weather		Condensate Collection	
Example	DCU	375	F		C		PA	
	125K	125	W/O	-	Normal	-	Accumulator w/ Ele. Pump	EA
	375K	375	With	F	Cold	C	Accumulator w/ Pneu. Pump	PA
	500K	500					Blowcase	BC
	750K	750						
	1000K	1M						
	2000K	2M						
	3000K	3M						

Other Cimarron Products

BURNER MANAGEMENT AND IGNITION

The Cimarron ARC is a fully scalable BMS that adapts to your well site. The price also scales with the functionality, so you only pay for the features you need. At its most basic, the ARC can monitor and ignite a pilot flame on separators, treaters, burners, or combustors for added site safety. If the pilot goes out for any reason, the system can notify the customer through Modbus or alarm. On the other end of the scale, the ARC can also be combined with control valves, pressure sensors and thermocouples for a complete burner management solution. The Cimarron ARC also has the ability to monitor and control up to 16 burner systems from a single control.



Models	Arc 1000	Arc Hybrid	Arc Torch	Arc SAU	Arc Flex
Lights and maintains the pilot flame	x	x	x	x	x
Reignites pilot	x	x	x	x	x
Alarm on pilot failure	x	x	x	x	x
Pressure sensor input		x	x	x	x
Thermocouple input			x	x	x
Tank pressure input for burner control				x	x
Control up to 16 burner systems					x

For More Information

We would be glad to discuss all of your separation needs. Please contact us at your convenience at **405-928-7373** or visit our website at **CimarronEnergy.com**, where you will find a design input sheet if you would like us to address your specific requirements.

