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CIMARRON ADVANTAGE:

Cimarron, with the recent acquisition of Aereon, combines industry leading technology in oil and gas combustion with its legacy technical expertise on gas dehydration and other production and processing equipment solutions. Cimarron has the unique capability to model, optimize, and provide the entire gas dehydration train paired along with the best in-class performing BTEX elimination system. With hundreds of BTEX combustion projects under its resume,

Cimarron can be trusted to get the delicate balance between regenerator vapor emissions and BTEX combustion correct. When considering the expected implementation of state regulations that will require proof of destruction efficiency of VOCs, this package offers best-in-class capability to destruct VOCs and HAPs. Competitor units commonly route BTEX vapors to regenerator burners. This method has proven hazardous due to higher BTU content of residue vapors unfit for use as regenerator fuel gas. Often these vapors condense and drop out leading to pooling in the reboiler firetube. This is because regenerator burners are typically not effectively sized to ensure necessary destruction efficiency of BTEX vapors. Cimarron's BTEX eliminator package routes vapors to a dedicated high efficiency Quad-O certified combustor optimized for handling BTEX vapors, removing VOCs with an industry-leading destruction efficiency of 98%+. Cimarron CH model combustors have casted ceramic fiber insulation (which is more rigid in handling water vapors), as well as the capability to control temperature, thereby offering more flexibility to utilize assist gas and optimize sizing to the unique needs of your process composition.

METHANE DESTRUCTION EFFICIENCY

Many companies are seeking to reduce their methane emissions. Since the Cimarron BTEX Eliminator Package uses a dedicated Quad-O enclosed combustion device (ECD), the facility is assured that a methane destruction efficiency of 98%+ is attained.

98%+
EFFICIENCY



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CIMARRON BTEX ELIMINATOR BENEFITS:

- Use of a dedicated Quad-O ECD makes it easy to demonstrate destruction efficiency of 98%+ of methane, VOCs and hazardous air pollutants (HAPs) benzene, toluene, ethylbenzene, xylenes and n-hexane.
- Eliminates the need to send still column vapors to the reboiler which is a common cause of regenerator fires and reduced emissions control efficiency.
- Ability to send glycol separator (glycol flash tank) to an ECD for combustion.
- Allows for the continued use of Energy Exchange Glycol Pumps due to 99% gas consumption destruction.
- Compact design provides small footprint.

+ FEATURES

- EPA compliant Quad-O ECD vapor destruction (CH2.5 Enclosed Combustor)
- Designed to address the increasingly stringent EPA and state environmental regulatory 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.
- All wetted parts are 304 Stainless Steel
- Fully ASME code construction
- On-site vapor destruction data logging and/or SCADA communication available.

