



Combustion Research Associates

Enclosed Flare

Enclosed Flares designed and manufactured by Combustion Research Associates offer smokeless flaring of various pollutants such as Hydrocarbon gases and vapors, Volatile Organic Compounds (VOCs) and Hazardous Air Pollutants (HAPs).

With a concealed flare, these stacks pass stringent regulations against emissions, vapor radiation, noise pollution etc.

A refractory (Ceramic Fiber Insulation) lined combustor stack in our Enclosed flaring systems allows for operation in plants with proximity to crowded areas, processing equipment, environmentally sensitive areas or where the potential of complaints exists from the surrounding community.

With over 99% destructive efficiency, our natural draft thermal combustors work effectively towards reducing operating costs and emissions.

Advantages such as burning at ground level and smokeless and invisible flame make them perfect for gases such as Natural Gas, LPG, Biogas, Landfill gas, Producer Gas, Petrochemical, Syn gas, CBM gas, vapors or any other combustible gases.



Our Added Value

- + Customised and project specific solutions
- + CDM complaint modular systems
- + Easily containerised and transportable
- + Over 99% VOC destruction efficiency and elimination of odour concerns
- + Hidden Flame, low noise, fumes radiation to help meet strict environmental regulations
- + Flashback Resistant burners & auto ignition systems

Available Options

- Knockout Drums
- Air Assist & Steam Assist (Forced Draft) configurations
- Heat Recovery Tubes
- Pressure regulating skid
- PLC/Scada based automation systems
- Any other flare related requirements



The CRA advantage		Applications
Features	Destruction Efficiency of more than 99% Available with PLC/SCADA based automation Modular design allows for system flexibility and future expansion Regulatory compliance guaranteed	Petroleumrefining Foodprocessing Fiberglass&composite industries Landfill Sites EthanolIndustry CoalMiningIndustry(VAM) Packaging&PrintingIndustry ChemicalIndustry PharmaceuticalIndustry Sewage sludgetreatment PlasticIndustry Electrical & Semiconductor Foundries, metallurgical & metal recycling industries Biogas Sites
Operation	Our customised solutions are designed according to client & project requirements Automated operation	
Capacity	50-50000 m3/hr. higher or lower capacity can be designed on request.	
Materials	Compatible material as per requirement. Special materials available on request.	
Usual Wastes		
Volatile Organic Compounds (VOCs) Waste Oils Benzene Trichloropropene Maleic Anhydride Low BTU Gases Halogenated Hydrocarbons Butyl Chloride Chloridated Hydrocarbons Toluene		

www.combustionindia.com

Enquire

Please include the following specifications in your inquiry:

Project Details
 Gas Composition
 Flow rate
 Temperature
 Pressure
 Required Emission Regulation
 Additional options required (refer above)?

Reach out to us

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