CCC Modular RTO

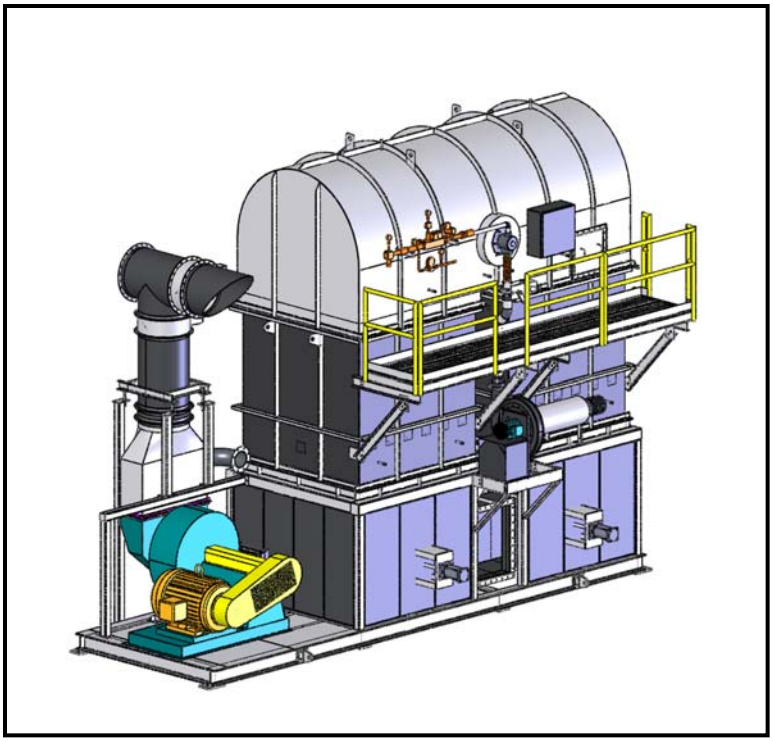
Simple – Effective - Reliable

System Design

- Two bed design – An economical solution for many air pollution control needs.
- VOC Destruction Efficiency up to 99%.
- Heat Recovery Efficiency up to 95% means low fuel consumption.
- Structured Ceramic Heat Transfer Media with low pressure drop equals low electrical costs.
- Modular design – Pre-engineered for optional equipment and performance enhancements.

System Attributes

- Skid Mounted Modules
  - Cost Effective Installation
- Quality Components
  - Low Maintenance
  - Reliable Operation
  - Long Life Expectancy
- Standardized Design
  - Fast Delivery
  - Pre-engineered Options



CATALYTIC COMBUSTION

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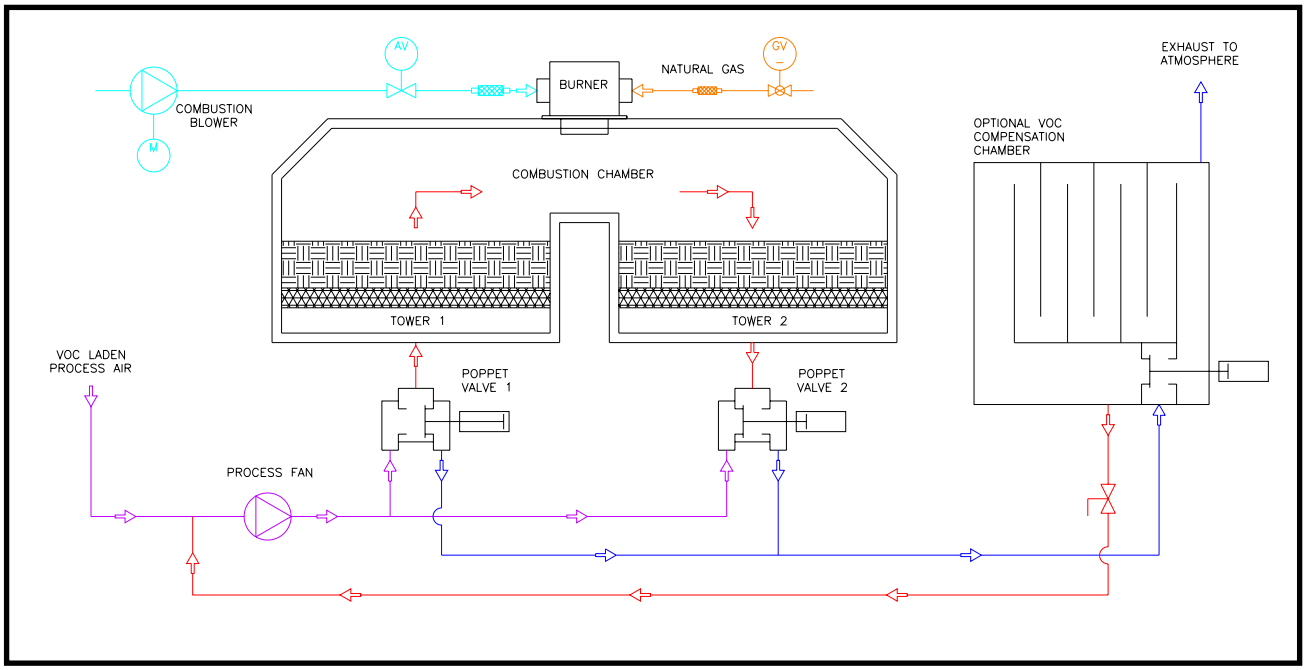
FIFTY YEARS OF 50 ENVIRONMENTAL SERVICES



RTO Working Principle

1. VOC laden process air enters the RTO through the inlet manifold.
2. Poppet Valves direct this gas into the first energy recovery chamber where it is preheated.
3. The VOCs are oxidized in the combustion chamber at a typical temperature of 1500°F.
4. The hot gas exits the combustion chamber through the second energy recovery chamber where the heat is adsorbed by the ceramic heat exchange media.
5. Poppet valves direct this clean gas to the clean air stack.
6. The airflow is reversed by the poppet valves every 90-120 seconds.
7. An optional VOC compensation chamber may be added to accumulate the bypassed process air stream during the valve reversal.
8. The heat recovery efficiency of the system is up to 95%.
9. The VOC destruction efficiency of the system is 96% and up to 99% with the addition of the optional VOC compensation chamber.

Put over 50 years of Pollution Control Experience to Work for You

Backed by more than 50 years of air pollution control experience, the ***CCC Modular RTO*** represents our latest step in providing customers with the state-of-the-art pollution control technology.

For the optimum balance between initial capital cost and long system life expectancy, contact **Catalytic Combustion Corporation** to request a confidential application engineering study of your process.



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