CATALYTIC COMBUSTION
EMISSION TECHNOLOGIES

POWER EMISSIONS GROUP

Oxidation Catalysts for Gas Turbines

Oxidation Catalysts for Environmental Controls in Power Generation Equipment including Heat Recovery Steam Generators.

For Control of:

- CO-Carbon Monoxide
- VOCs-Volatile Organic Compounds
- HAPs-Hazardous Air Pollutants
- Formaldehyde (EPA requirement of 91 ppbvd)

Applications:

- Combined Cycle Gas Turbine Power Plants (including fast starts)
- Fast-start Simple Cycle Gas Turbine Power Plants
- Baseload and Peaker Operations
- New Install, Replacement, or Retrofit
- Natural gas or other liquid fuels

THREE OPTIONS TO MEET VARYING INSTALLATION NEEDS

Conventional CO Oxidation Catalyst

- Catalyst Inlet Temperatures >700°F
- Pipeline quality natural gas fueled turbines

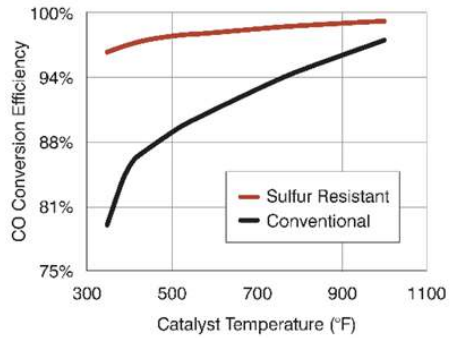
Sulfur-Resistant:

- Catalyst Inlet Temperatures <700°F
- Variable composition natural gas or dual fueled turbines

Formaldehyde

- High destruction rate efficiency
- Customized formulations for extended life

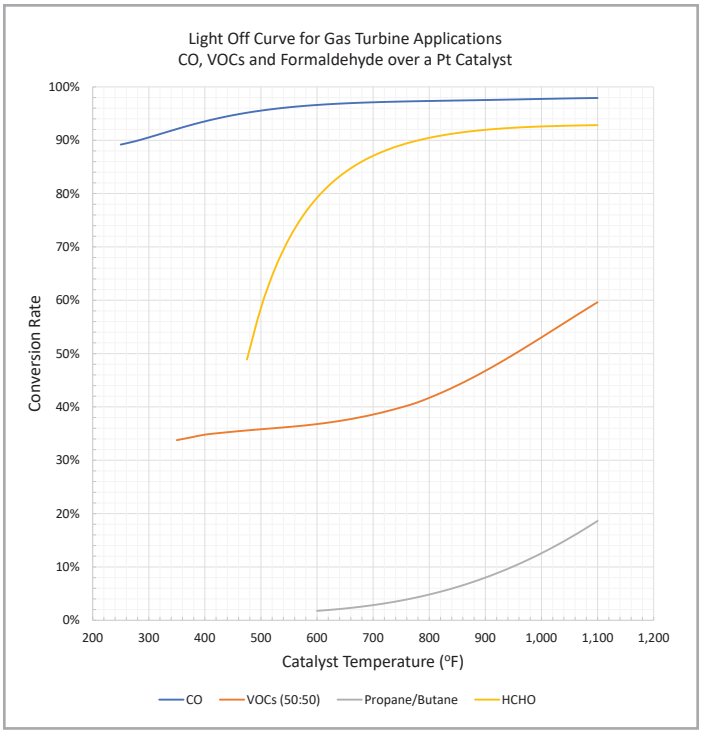
Temperature Sweep Comparison of CCC SR™ Catalyst and Conventional Catalyst after Low Temperature GT Operation



Contact Catalytic Combustion Corporation
888-285-5940 | Power-Gen@CatalyticCombustion.com

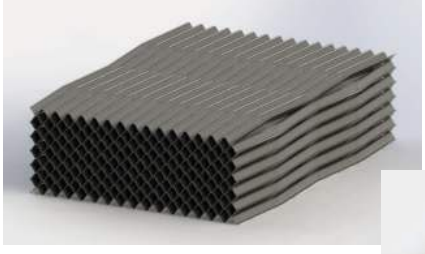
PRODUCT PERFORMANCE

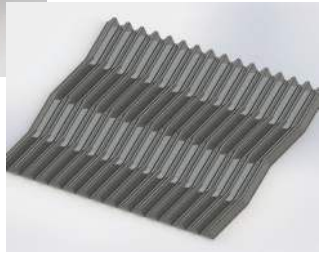
- High activity catalyst formulations
- Compact footprint
- Low backpressure
- Proven coatings provide superior lifespan
- Low oxidation of SO^2 to SO^3
- Low oxidation of NO to NO^2
- Sulfur-Resistant formulation option for low temperature gas turbine sites or for sites with variable fuel quality
- Wide operating temperature range 450°F to 1250°F
- Catalyst Management Plans to extend useful life



METALLIC SUBSTRATES ENGINEERED TO BOOST PERFORMANCE

- Features stacked foil layers of micro-corrugated foils
- Herringbone foil pattern induces faster mass transfer yielding higher performance comopared to straight patterned foils
- High heat transfer and low thermal inertia
- High resistance against thermal and mechanical shocks
- Cell densities from 50 to 320 cpsi are available
- Flexible flow depths are available
- 100% stainless steel frame construction, easy to integrate into the ductwork





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#51160 6/2023