

Gas Turbine Oxidation Catalyst

For the Control of CO, VOCs & HAPs

Applications:

- >> Combined Cycle Gas Turbines
- >> Simple Cycle Gas Turbines

Performance

Johnson Matthey pioneered **Oxidation Catalyst** for gas turbines in the 1970's. Since then, **Oxidation Catalysts** have been installed in some of the most environmentally challenging applications, consistently providing greater than 90% destruction of CO, VOCs, formaldehyde and other toxic compounds. Our core expertise in catalysis has allowed Johnson Matthey to stay at the cutting edge of new catalyst development meeting the challenges of ever increasing regulatory requirements.

Our **Oxidation Catalysts** are formulated with Platinum Group Metals (PGM's) to achieve maximum conversion of pollutants at gas turbine temperatures, whether it is a simple cycle or combined cycle gas turbine. Our high activity catalyst plus flow through metal monolith design delivers the smallest catalyst package and the lowest back pressure in the industry. The chart to the right illustrates the level of conversion achievable. Side reactions such as NO to NO₂ are minimized.

Regeneration

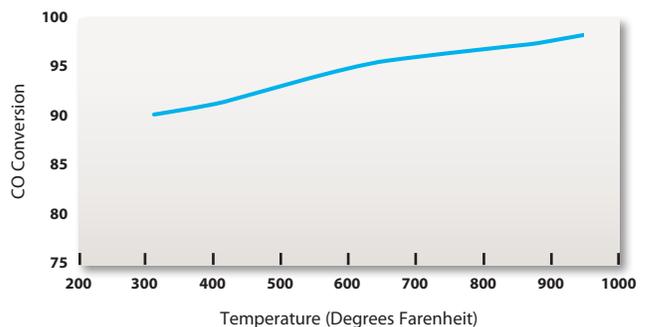
Johnson Matthey gas turbine **Oxidation Catalysts** have an established durability of 10 or more years of continuous operation. Catalytic performance can be easily maintained and restored, if necessary, through washing. And at the end of the effective life of the catalyst, Johnson Matthey closes the loop at its West Deptford, NJ facility where spent catalyst can be recycled and precious metal value is credited to you. Johnson Matthey also provides field support during catalyst inspections, bed rotations, and partial bed replacements.

Dependability

You can count on Johnson Matthey. Founded in 1817, we are the global leader in environmental catalyst technology with more than 40 years of experience in environmental emissions control catalysts for mobile and stationary sources. We are committed to developing and supplying the highest quality product available.



OXIDATION CATALYST PERFORMANCE



Johnson Matthey
Stationary Emissions Control

• 900 Forge Avenue, Suite 100, Audubon, PA 19403-2305, (484) 320-2125
 • 31 Journey, Suite 250, Aliso Viejo, CA 92656, (949) 297-5200
 • www.jmsec.com, info@jmsec.com