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The Simple Choice for NOx Control: The CataStak™ SCR System



A CataStak™ SCR system helped a paper mill in California reduce GHG emissions. The 120,000 lb/hr, 175 psi boiler operated at 5 ppm NOx and easily meet local air quality requirements.

There are two technology choices used for lowering NOx emissions: (1) front-end burner technology or (2) back-end selective catalytic reduction (SCR) technology.

As air emission rulings continue to become more stringent, NOx requirements are reaching levels as low as 5 ppm NOx and are expected to decrease even further. The CataStak™ SCR system is proven technology that not only meets 5 ppm NOx, but outperforms burner technology and provides emissions limits as low as 2½ ppm NOx for many demanding applications. When compared to burner technology, the CataStak™ SCR system also provides substantial cost-savings and valuable energy efficiency gains.

In over 100 installations the CataStak™ SCR system has never failed a third-party compliance test and has provided peace of mind for plant owners knowing that their system will remain in compliance year-after-year, well past any current AQMD requirements.

The Nationwide Boiler CataStak™ SCR system delivers exceptional performance, reliability and compliance assurance. Learn why so many users are choosing a CataStak™ SCR system solution for achieving unmatched NOx control, proven performance and dependability.

CataStak™ Ultra Low NOx Solutions	Standard Burner & SCR System	ULN Burner
NOx Emissions	2.5 ppm	9 ppm
Turndown	10:1	5:1
Excess O₂	3%	~ 8.5%
Flue Gas Recirculation (FGR)	0%	~ 40%
Force Draft Fan HP	X	2X or More
Carbon Footprint	Lowest	Highest