

CATASTAK™ SCR SYSTEM QUOTE REQUEST FORM FOR BOILERS

Thank you for your interest in CataStak™ SCR technology for the removal of NOx from flue gas streams. On the basis of the following process data and specific requirements, a technical evaluation and budget cost estimate can be prepared.

Date:

Contact:	Phone:
Company:	Fax:
Address:	Email:

PROJECT INFORMATION:

Project name: Location:

New or Retrofit: New Retrofit

Availability / space limitations:

VESSEL INFORMATION:

Vessel type: Watertube Firetube Fluid heater

Vessel rating: PPH HP mmBtu/hr

If known, burner heat input (mmBtu/hr):	<input style="width: 100%; height: 20px;" type="text"/>	
Boiler nameplate steam rating:	<input style="width: 100%; height: 20px;" type="text"/>	
For steam boilers, operating pressure (psig):	<input style="width: 100%; height: 20px;" type="text"/>	
Stack temperature at high fire (°F):	<input style="width: 100%; height: 20px;" type="text"/>	At low fire (°F): <input style="width: 100%; height: 20px;" type="text"/>
Stack O ₂ at high fire (by volume, %):	<input style="width: 100%; height: 20px;" type="text"/>	At low fire (%): <input style="width: 100%; height: 20px;" type="text"/>

Specify O₂: Dry basis Wet basis

If known, flue gas flow:	<input style="width: 100%; height: 20px;" type="text"/>
Stack diameter:	<input style="width: 100%; height: 20px;" type="text"/>
Turndown of burner (for example "8:1"):	<input style="width: 100%; height: 20px;" type="text"/>

FGR? Yes No FGR amount (%)

Economizer? Yes No Temperature after economizer (F):

Fuels: Natural Gas Propane #2 Oil Other:

Please provide fuel analysis if available.

Waste streams or waste fuels in vessel:

CATASTAK™ SCR DESIGN INFORMATION:

NOx from boiler (ppm, ref. 3% O2, dry):	<input type="text"/>
NOx guarantee (ppm, ref. 3% O2, dry):	<input type="text"/>
CO from boiler (ppm, ref. 3% O2, dry):	<input type="text"/>
CO guarantee (ppm, ref. 3% O2, dry):	<input type="text"/>
Ammonia slip (ppm, ref. 3% O2, dry):	<input type="text"/>
Maximum SCR pressure drop ("w.c.):	<input type="text"/>

Flue gas flow configuration through SCR: Vertical up Vertical down Horizontal

Reactant preference: Anhydrous Ammonia Aqueous Ammonia Urea (ammonia free)

Please provide combustion setting data if available.

Any other comments:

Nationwide Environmental Solutions would be pleased to assist you with the CataStak™ data acquisition process. To schedule a no-cost site visit with a member of our team, please contact us at (800) 227-1966.

Nationwide Environmental Solutions