



ClearSign Core™ Fire Tube Boiler Burner

Complying with increasingly tough emissions requirements is a continued challenge for the boiler industry. Conventional ultra-low NO_x burners have been pushed to their limits; they have become increasingly complex and costly, and in some regions, still fail to meet current NO_x requirements. SCRs can meet these new emissions regulations, but they come with significant capital and operating cost as well as the need for additional training to handle required catalysts and reagents.

ClearSign Technologies now offers a superior solution– the ClearSign Core™ Fire Tube Boiler Burner. Simply put, this product delivers SCR level performance in a compact burner that is both cost effective and simple to operate and maintain. Thoroughly tested in a variety of boiler configurations, the ClearSign Core Fire Tube Boiler Burner can yield sub 2.5 ppm NO_x without costly catalysts, hazardous chemicals, extra ducts or controls.

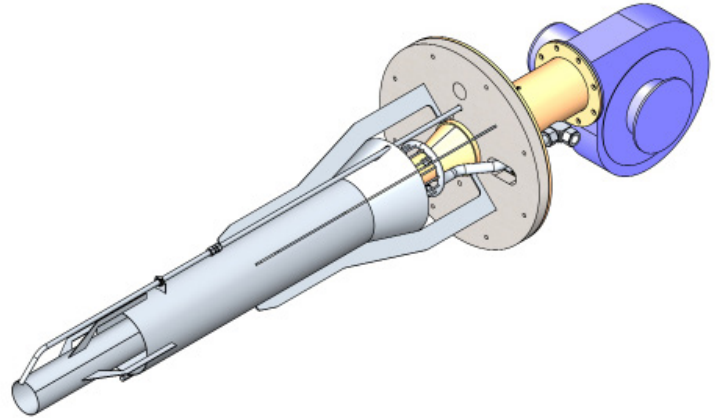
Benefits:

- Ultra-low Emissions
- Simple Operation
- High Efficiency
- No Special Training
- Future Emissions Compliance

Attributes	ClearSign Core Fire Tube Boiler Burner
NO _x	< 2.5 ppm*
CO	< 50 ppm*
Turndown	Up to 5:1
Sizes Available	4 - 60 MMBtu/hr

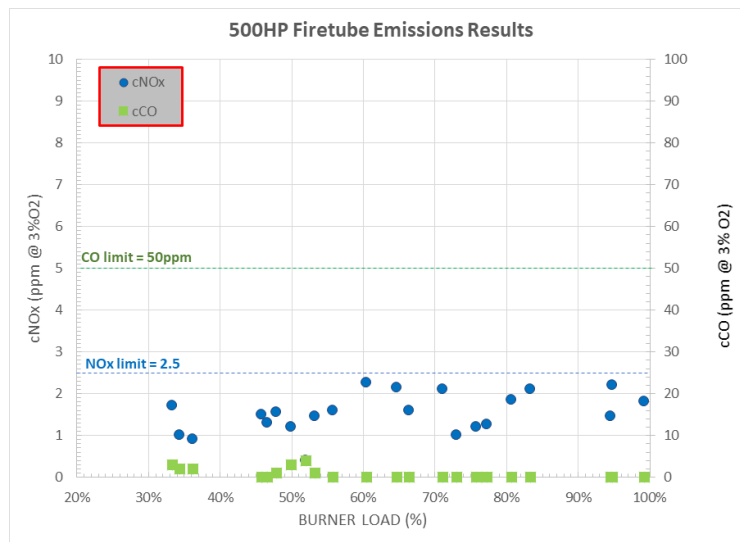
* Corrected to 3% O₂

CLEARSIGN CORE™



Our ClearSign Core Fire Tube Boiler Burners can be supplied new or retrofit into existing equipment. Complete boiler systems include the burner, blower, fuel gas train, combustion controls, and installation.

To learn more about our products or to request a proposal, please contact ClearSign Technologies at 206.673.4848 or sales@clearsign.com



< 2.5ppm NOx operating at approximately 6.5% excess O₂
< 5ppm NOx operating at approximately 4.5% excess O₂