



ClearSign Core™ **PROCESS** **BURNER**

At ClearSign Technologies, we're not just about innovation; we're about solutions that matter. The ClearSign Core™ Process Burner is an unrivaled solution to achieving Near Zero NOx by providing SCR level emissions at a fraction of the cost. This burner also addresses operational issues such as flame impingement, fired duty constraints, and tip fouling and plugging due to fuel quality issues. With its ability to increase furnace capacity utilizing 100% Natural Gas or refinery fuel containing up to 80% Hydrogen, the ClearSign Core is the clear solution.

Attributes	ClearSign	SCR
NOx	<5 ppm	<5 ppm
Operating Costs	Low	High
Installation Period	<1 Week	>6 Weeks
Catalyst & Chemicals	None	Significant

CONTACT US

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Your **Clear** Solution

ClearSign Core™ Process Burner

Why Choose Us

INCREASED CAPACITY

Heater capacities can be increased more than 500,000 Btu/h-ft² while still reducing NOx emissions to less than those of Ultra-Low NOx Burners.

LARGE FUEL PORTS

Prevention of tip fouling and plugging, resulting in low maintenance costs and loss of throughput due to reduced firing.

RETROFITTABLE

Our burners can fit directly into existing heater cutouts and connect directly to typical fuel gas piping.

COMPACT FLAME

Essentially eliminating flame impingement and coalescing issues associated with conventional burners.

Burner Performance

Turndown	>4:1
Fuel	Natural Gas, RFG up to 80% H2
Heat Release	Up to 20 MM BTU/hr (Natural Draft Operation)



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