

CS5 PROCESS BURNER

Industry Leading NO_x Emissions Reduction



ZEECO® and ClearSign Technologies are achieving industry-leading NO_x emissions reductions with their co-branded process burner. With the ability to fire conventional refinery fuels and hydrogen, the ZEECO CS5 process burner achieves sub 5 ppm NO_x emissions, meeting some of the world's most stringent emissions regulations.

ZEECO CS5

Powered by ClearSign's second generation Core™ Technology, the ZEECO CS5 burner is an unparalleled solution for achieving selective catalytic reduction (SCR) level emissions at a fraction of the cost. With its compact flame, reduced operating expenses, and large fuel ports, the ZEECO CS5 delivers optional NO_x reduction without the need for additional SCR equipment.

ACHIEVE ENVIRONMENTAL COMPLIANCE WITHOUT SELECTIVE CATALYTIC REDUCTION

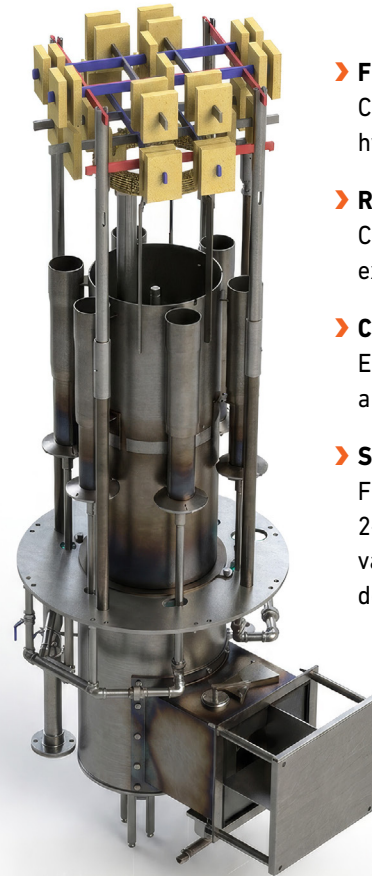
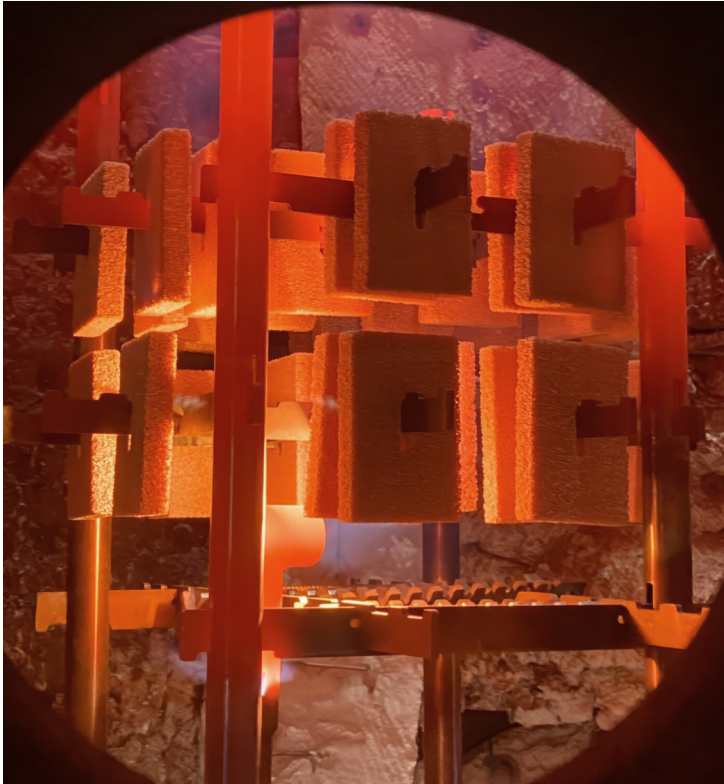
	SCR	CS5
NO _x PERFORMANCE	<5ppm No _x	<5ppm No _x
INSTALLATION PERIOD	>6 Weeks	<1 Week
PLOT SPACE REQUIREMENT	Significant	None
CATALYSTS & CHEMICALS	Significant	None
CAPITAL COSTS	High	Low
OPERATING COSTS	High	Low

[ZEECO.COM](https://www.zeeeco.com)

DEVELOPING INNOVATIVE SOLUTIONS TOGETHER

Since its founding in 1979, Zeeco has relied on its spirit of innovation and commitment to excellence to overcome any challenge. As the world leader in advanced combustion and environmental solutions, Zeeco continues to look for new ways to bring new technologies to market that help its customers meet emissions regulations while ensuring the safety and reliability of plants and facilities around the world. Zeeco first began its collaboration with ClearSign in 2020 to further develop its unique process burner technology.

Over the years, the collaboration has resulted in a revolutionary burner line that meets some of the world's most stringent NO_x emissions regulations. Today, that collaboration has grown into a co-branded line of process burners, bringing ClearSign's Core Technology and Zeeco's expertise in the combustion industry to the global market.



CS5 Process Burner Rendering

➤ **FUEL FLEXIBLE**

Compatible with natural gas, hydrogen, and blended fuels

➤ **RETROFITTABLE**

Can be placed directly into existing burner cutouts

➤ **COMPACT FLAME**

Eliminate flame impingement and coalescing issues

➤ **SIZES AVAILABLE**

Flexible firing range from 2-16 MMBtu/h to meet a variety of process heating demands

ZEECO®

Zeeco Headquarters
22151 East 91st Street
Broken Arrow, OK 74014

Learn more at zeeco.com

✉ sales@zeeco.com

☎ +1 (918) 258 8551

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Choose to work with our dedicated, flexible, and innovative team, and you won't be disappointed. Call or email us today to request a quote or to learn more about our proprietary combustion systems.

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Certification applies to
Zeeco Headquarters.