



PROCESS AND BOILER BURNER Upgrades, Retrofits, and Controls



BURNERS

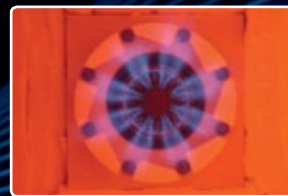
FLARES

INCINERATORS

PARTS & SERVICE

PROCESS AND BOILER BURNER Upgrades, Retrofits, and Controls

Ultra-Low NOx Boiler
Burner Upgrade



Combustion solutions that keep you in control.

Zeeco Europe engineers safe, reliable, end-to-end combustion solutions for refining, production, petrochemical, LNG, power, pharmaceutical, and biogas industries worldwide. With more than three decades of innovative technology to our credit, thousands of global installations, and a maintenance track record that is second to none, Zeeco designs the lowest-emissions combustion equipment on the market.

Our mission? To ensure your facility remains steps ahead of the latest safety and environmental codes.

Upgrading your process heaters or boilers can dramatically improve plant safety, reduce NOx emissions, maximise plant efficiency, and enable easier fuel changes. ZEECO® process and boiler burners, combustion control systems, and burner management systems are world-renowned for reliability and long life, helping you operate safely and cleanly – while staying on time and on budget.

Why do plants depend on Zeeco?

Zeeco Europe attracts the best and brightest engineers from around the world, giving us a distinct advantage for experience, expertise, and innovation. Located in Stamford, Rutland, UK, with easy access off the A-1, the Zeeco Europe campus includes an ISO-certified manufacturing facility with the capacity to engineer our entire line of combustion

and environmental products, including burners, flares, thermal oxidisers, pilots, ignitors and more. Our research and test facility offers leading-edge technologies in CFD, 3D, and physical modelling. Zeeco Europe also offers superior aftermarket parts, service, and support with offices on virtually every continent.

Put our strength to work for you.

- Low and ultra-low emissions process and boiler burners designed to fire a variety of fuels
- Clean room to ensure the highest component quality
- Customised systems including fuel skids built to meet your specific plant and process conditions, and your standards and certifications
- Instrumentation controls, including PLCs, HMIs, and other optional equipment
- Proven ignitor and flame-detection technology
- Site evaluations
- Start-up and commissioning
- Aftermarket parts for all burners, no matter which manufacturer
- Service contracts to include maintenance, emission monitoring, and furnace/boiler tuning to improve efficiency
- Around-the-clock troubleshooting, service, and on-site support
- ISO-certified manufacturing facility

Challenge	Solution
<ul style="list-style-type: none">• Improve safety• Reduce emissions• Maximise operational efficiency• Enable fuel gas changes	<ul style="list-style-type: none">• Initial site survey evaluation• Attendance at end-users HAZOP and SIL evaluation• Design, engineer, upgrade modifications required for single- and multi-burner systems• Burners that meet or exceed existing and proposed emissions standards and operate on a variety of fuels• Supply and installation• Commission upgrade



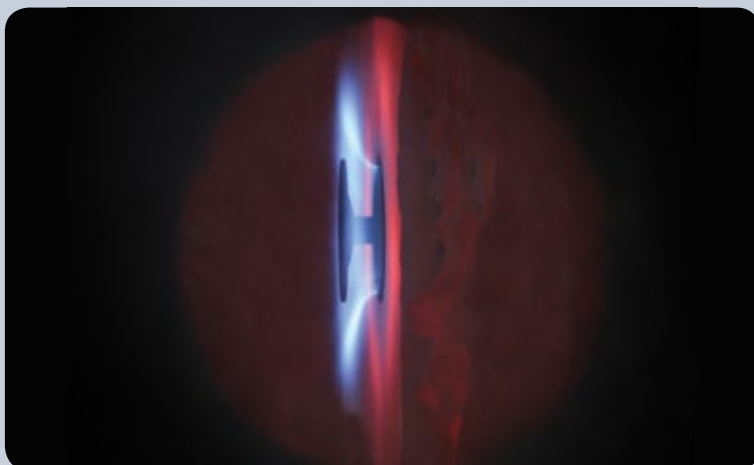
*Ultra-Low NOx Ethylene
Cracker Upgrade*



Burner Management System



EN 746-2 Heater Upgrade



Ultra-Low NOx Radiant Wall Burner

ZEECO® products and systems meet all worldwide environmental standards.

Burner/Heater/Boiler Standards

- EN 746-2: Industrial thermo-processing equipment Part 2: Safety requirements for combustion and fuel-handling systems
- EN 12952-8: Water-tube boilers and auxiliary installations Part 8: Requirements for firing systems for liquid and gaseous fuels for boilers
- NFPA 85: Boiler and Combustion Systems Hazards Code

Safety Standards

- IEC 61508: Functional safety of electrical/electronic/programmable electronic safety-related systems
- IEC 61511: Functional safety – Safety instrumented systems for the process industry sector

Software Standards

- IEC 611341-3: Programmable controllers Part 3: Programming languages

Other

- ISO 9001: Quality management system

Emissions Standards

- Directive 2010/75/EU: Industrial Emissions Directive

Talk to Zeeco Europe today to learn more about our hands-on approach to 100% customer satisfaction – no matter what your challenge, no matter where you're located.



BURNERS



FLARES



THERMAL OXIDISERS



PARTS & SERVICE



Zeeco Europe Ltd.
The Woolfox Building
Great North Road
Rutland LE15, 7QT
United Kingdom
Phone: +44.0.1780.765077 Fax: +44.0.1780.757121

For Enquiries:
zeeco_europe@zeeco.com
zeeco_france@zeeco.com
zeeco_germany@zeeco.com
zeeco_italy@zeeco.com
zeeco_poland@zeeco.com

zeeco.com



ZEECO® combustion solutions are designed and manufactured to comply with applicable local and international standards as defined by our customers.



REGISTERED
 ISO 9001:2008

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