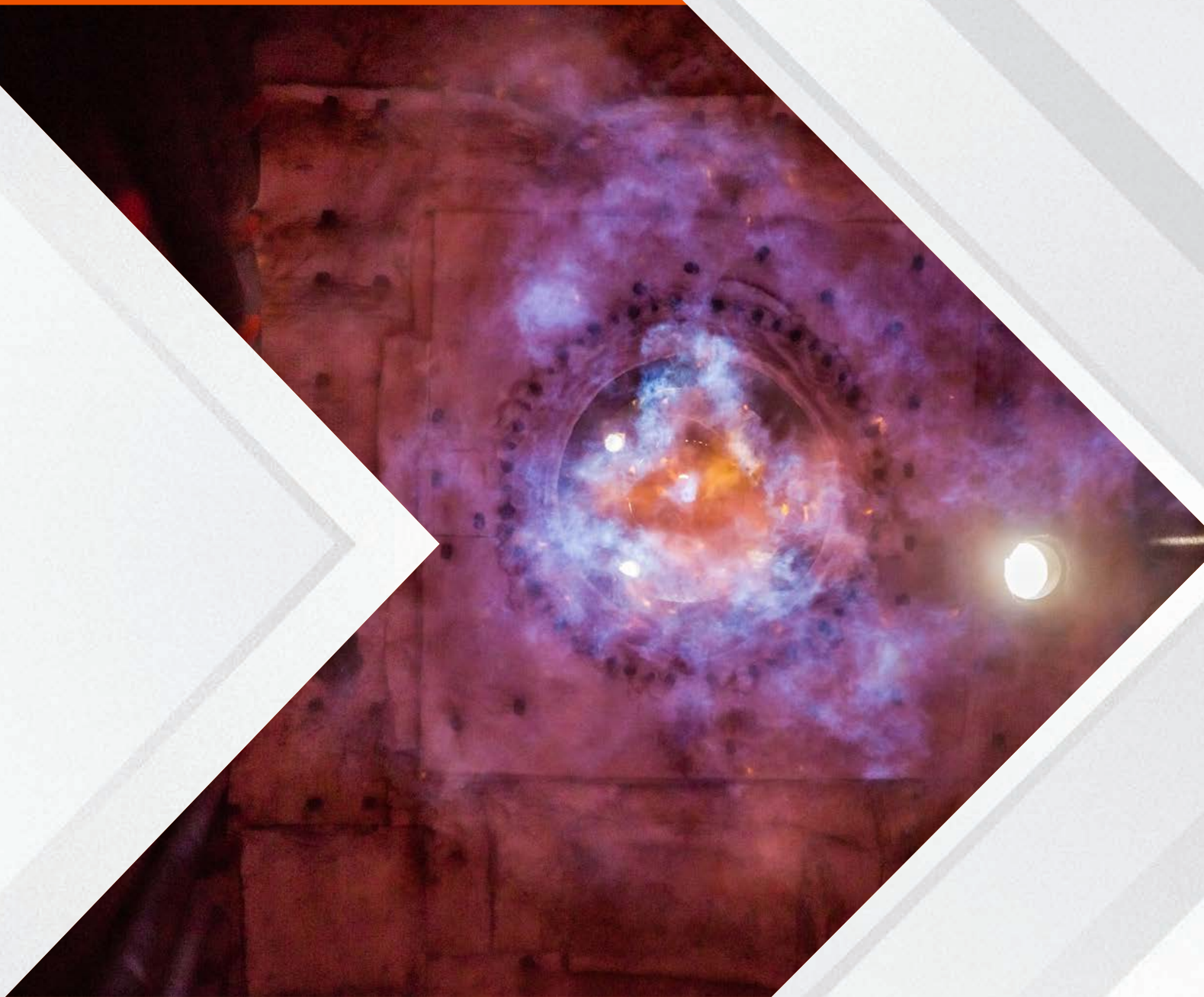


# **GB LOW-NO<sub>x</sub> POWER BURNER**

Stable, Efficient, Low Emissions



**BURNERS | FLARES | THERMAL OXIDIZERS  
VAPOR CONTROL | RENTALS | AFTERMARKET**



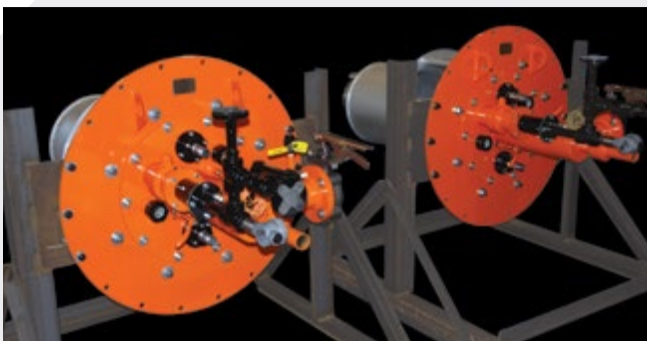
# GB LOW-NO<sub>x</sub> POWER BURNER

## One powerful choice in boiler burners.

Zeeco designs and manufactures the most advanced combustion solutions for power and steam generation facilities across the globe. It's a bold statement but one we back up with more than three decades of innovative engineering and thousands of installations. Operators worldwide trust Zeeco to engineer power burners that simply work smarter, more safely and with a lower cost of ownership. Zeeco maintains offices on virtually every continent to address the complex challenges of power, process and energy industries.

## Simple solutions. Exceptional results.

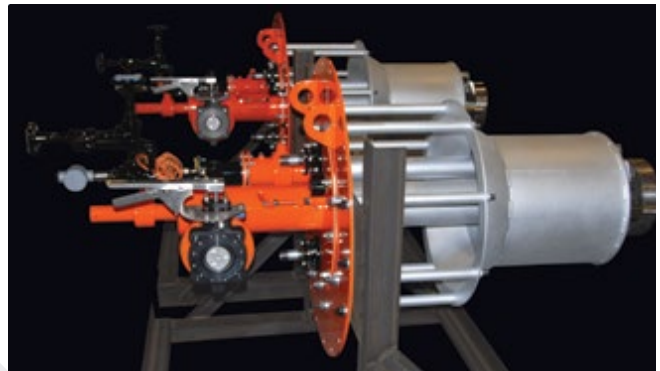
Zeeco engineers its GB firing systems to solve complex issues, simply. The ZEECO® GB burner is designed to be specifically compatible with your boiler and operational requirements. Easy to install for both new and retrofit applications in any boiler, the GB series operates efficiently with lower excess air and lower FGR requirements, while still delivering exceptional low-NO<sub>x</sub> performance. With easy installation and no moving parts, Zeeco's GB burner is engineered for quick startups - typically completed in a week with little to no field adjustment.



*ZEECO GB Low-NO<sub>x</sub> Power Burners*



*ZEECO ARGS High Energy Ignition (HEI) System*



## True flexibility.

Zeeco's GB burner was designed around the concept of true flexibility. The GB fires a wide variety of fuels, including natural gas and liquid fuels, and can be equipped for both multi-fuel applications or as firing support for low-Btu fuels. The Zeeco GB burner eliminates the need for special burner management systems or combustion control systems because its simple controls are used for all applications. You benefit from total combustion customization and true flexibility in both new or retrofit projects.

## The extras aren't extra here.

Zeeco employs the latest advancements in physical air flow modeling and CFD to model your specific operating and firing conditions against the actual equipment design, allowing us to accurately simulate combustion air, flame behavior and interaction under various firing conditions, fuel types, and flows. The result? A system with superior results and lower cost of ownership. The same commitment to excellence applies to our complete combustion testing process. Zeeco's Combustion Research and Test Facility was the first in the world to become ISO 9001-2000 certified, and our staff strives to stay ahead of rapidly changing regulations and emissions requirements on both the local and national levels.

## Design Features

- Higher efficiency: Lower excess air and FGR, lower CO<sub>2</sub> footprint and less boiler impact with lower capital cost
- Wide variety of fuels: Designed to fire fuels from natural gas, #6/#2 fuel oils, to low-Btu gases (blast furnace gas / coke oven gas), opportunity fuels and waste streams
- Highly reliable, field-proven technology: To meet the most challenging emissions reduction projects while maintaining high efficiency and reliability
- High heat inputs: GB burners can be designed with heat inputs in excess of 360 MMBtu/hr per burner
- Multi-industry applications: One burner that can be applied to all boiler types, including package, industrial, utility, and fluidized bed/stocker boilers
- New boilers: Applicable for cost-effective new boiler applications
- Retrofit boiler applications: The GB burner installation can be recognized with little to no pressure part modifications
- Minimal start-up time: Pre-engineered burner systems, along with physical modeling, allows for minimal field start-up time
- Total system approach: Full scope of supply with BMS and combustion control systems, valve trains, installation and commissioning
- Value pricing: Lower risk, safer, more reliable burner technology, backed by the strength of one of the world's largest and most trusted combustion companies

## The Zeeco Difference.

Zeeco is a worldwide leader in combustion and environmental solutions with thousands of installations to our name. For more than 35 years, Zeeco has tackled the most challenging projects to help industries operate safer and cleaner. With more than 20 global locations, comprehensive aftermarket service and support, and a team of engineers dedicated to your mission, Zeeco is the natural choice to improve operations and reduce your carbon footprint.



*ZEECO GB Low-NO<sub>x</sub> Power Burner*



## The Zeeco Difference

By concentrating on what we do best, Zeeco has grown into a worldwide leader in combustion and environmental solutions. We are a privately held company whose ownership stays highly involved in daily operations, with upper management comprised of the world's leading combustion experts.

When you call Zeeco, we answer. When you make a request, you get a quick, efficient response. We are lean and efficient, able to make decisions quickly, without bureaucracy and red tape. Our sales, engineering, and purchasing groups work hand-in-hand to deliver highly competitive quotes and heroic turnaround times. We stand ready and willing to travel anywhere in the world to discuss upcoming projects firsthand, and to ensure that every existing project runs seamlessly.



Visit [zeeco.com/contact](https://zeeco.com/contact) for additional Global Location contact information



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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REGISTERED  
ISO 9001:2015

Certification applies to  
Zeeco Headquarters.