

ECOjet Edge Ultra-Low NOx Burner

Proven NOx Reduction

The ECOjet® Edge ultra-low NOx burner can help you meet stringent emissions requirements. Developed using decades of combustion experience, industry leading analytical methods and rigorous field performance validation, it's proven to deliver low emissions with minimal flue gas recirculation (FGR) while offering extremely stable flames, high turndown and reduced boiler maintenance.

Easy to Install, Operate, And Maintain

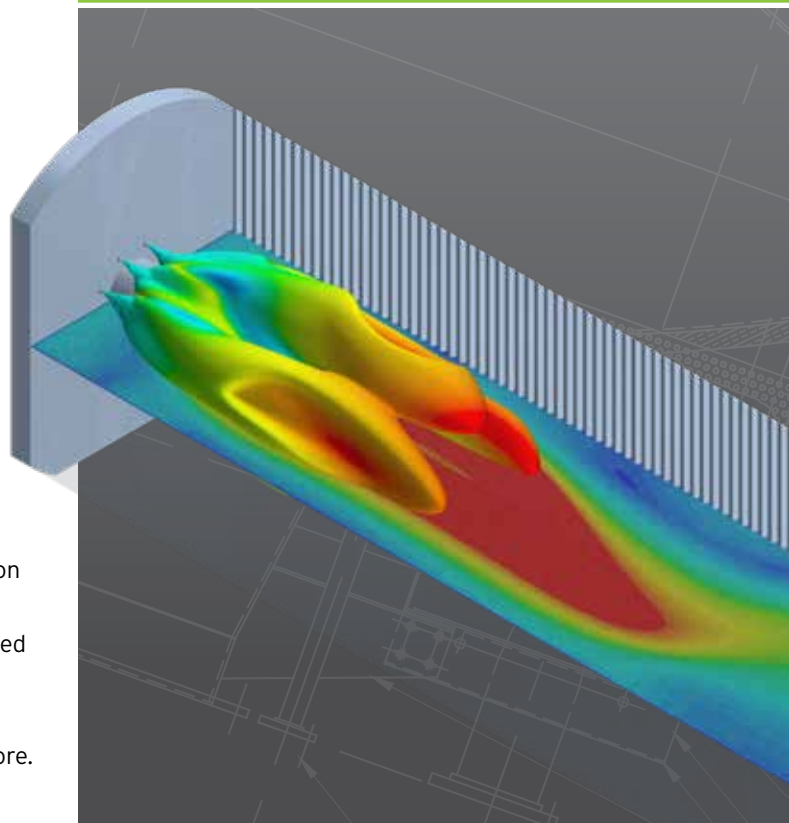
- + Reliable, self-cleaning High Energy Spark Ignition
- + Innovative gas burner design provides extremely stable flames, up to 20:1 burner turndown, for furnace warm-up and hot standby
- + Ultra-low NOx with gaseous fuels (natural gas, propane, refinery gas, landfill gas, off gasses)
- + Low NOx with liquid fuels (light gas oil, heavy fuel oil, and ultra-heavy fuels such as pitch and bitumen)
- + Applicable to package, industrial, and utility boilers ranging from single to multi-burner wall-fired, turbo, and other boiler types
- + NOx levels <9 ppm (18 mg/Nm₃) with FGR
- + CO levels <50 ppm (62 mg/Nm₃)
- + Fast burner ramp rates
- + Easy to retrofit into existing plants
- + Capacities to 400 MMBtu/hr (120 MW) per burner

Proven Ideal For Many Applications

ECOjet Edge ultra-low NOx burners are proven under a wide range of operating conditions and heat inputs firing a diverse variety of fuel gas compositions and liquid fuels. Real-world equipment performance is confidently predicted by first principles analysis of data from bench-, pilot- and full-scale testing, cutting-edge simulation and modeling techniques including Computational Fluid Dynamics (CFD) modeling, and rigorous statistical analysis of field data collected from real-world installations. The final product has proven ideal for a variety of applications including applications including packaged boilers, multi-burner boilers, air heaters, dryers, incinerators and more.



*The ECOjet Edge burner can help you **reach ultra-low NOx levels with minimal FGR.***



Additional Solutions and Support

We know a burner may not solve all your challenges. That's why we offer a comprehensive list of industry leading combustion products and services. You can rely on our knowledge and expertise world-wide to provide solutions that work hand-in-hand with your existing equipment:

- + Combustion Control Systems
- + Fuel Valve Trains
- + Burner Flame Detection Systems
- + Burner Ignition Systems
- + Post Combustion Systems
- + Turnkey Installation Services
- + Startup Services
- + Operator Training
- + Preventive Maintenance
- + Aftermarket Support



TULSA, OK, USA

Exclusive, World-Class Testing

The John Zink Hamworthy Combustion Research, Development and Test Center is the largest and most advanced testing complex of its kind. This exclusive resource allows us to push innovation, gain expertise and measure performance in a near full-scale setting under real-world conditions.



Global Headquarters

Tulsa, Oklahoma | United States

johnzinkhamworthy.com | +1 918 234 1800

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