

Burner Control Systems

Safe, Reliable Instrumented System Support

We're more than a global leader in burners. Our experts have extensive experience providing reliable flame safeguard and process controls for efficient furnace operations. Each system is engineered for a plant's specific requirements and evaluated for fuel-firing configuration, individual burner characteristics, operational requirements and operator interface preference.

Custom Designed For Your Application

Our controls solutions provide reliable performance for fired heaters used in petroleum production, refineries, petrochemical and chemical plants. Whether a retrofit or new build, we can perform an analysis of your system parameters and engineer a burner control system for your specific requirements.

Single Source for Combustion Control Systems

An effective combination of burner systems and controls, our solutions provide operational and safety advantages managed under one provider. Designed, installed and commissioned with a focus on safety and reliability, our burner control systems can help you improve the performance of your furnace operation.

Sensors, Logic Solver and Final Control Elements

- + Prove that the furnace is ready for the flame:
 - All permissive interlocks are satisfied
 - The firebox has been appropriately purged of all combustibles prior to ignition
 - There is sufficient air for combustion
- + Ensure that burners ignite within a set time period:
 - Includes provisions for burner flame supervision
- + Control burners to shut down safely



*A single source for burners and burner control systems increases efficiencies for your operations. **That's smart.**
That's JZHC.*



Project Services

John Zink Hamworthy Combustion can provide burner management solutions designed specifically for your application. We offer a comprehensive selection of services backed by the experience and expertise necessary for successful project execution:

- + Comprehensive system review
- + Evaluation of options
- + Alignment of project goals
- + System design
- + Complete engineering
- + Materials and component selection
- + Fabrication and assembly
- + Factory acceptance testing
- + Installation and commissioning



BURNER CONTROL SYSTEM

Reliability Through Training

Incorporating a thorough training program in the handover process can ensure your operators understand vital safety criteria. During this training, our experts will review protective instruments and functions in detail, increasing your operators' confidence and, as a result, improving the reliability of your operations.

Our comprehensive training covers a variety of topics based on your specific system and application:

- + Start up
- + Emissions
- + Shut down
- + Purging
- + Flame monitoring
- + Pilot burners
- + Heater design
- + Regulators
- + Standards
- + Safety shut-off valves
- + Combustion air flow
- + Pressure transmitters
- + Fuel flow
- + Air-fuel ratio
- + Flue gas analysis
- + Alarms and trips



Experience the efficiency of a single source for burner control systems.

Maximize your normal operating uptime.

Contact us today: info@johnzink.com

GLOBAL REACH
JZHC has locations all over the map, with thousands of employees worldwide.



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