

## ProLine In-Line Duct Burner

For Reduced Dryer System  
NOx and CO Emissions

The ProLine™ gas duct burner is an industry-leading, low-NOx burner that is capable of heating various process streams from fresh air to high-moisture content recycled gases and more. The burner uses a simulated premix technology that helps achieve reliable low emissions across a wide turndown using simple combustion controls.

### High Heat Release, Low Pressure Drop

With a high burner heat release, low pressure drop and compact flame, the ProLine burner is an ideal solution for any drying application to heat process streams while utilizing the most compact duct configuration. It is designed for easy installation, high reliability, minimal maintenance and industry-leading low emissions performance.

### Performance Data

The ProLine burner is our lowest-NOx burner designed specifically for in-line duct firing.

- + NOx emissions as low as 0.03 lb/MMBtu (12.9 g/GJ)
- + CO emissions as low as 0.03 lb/MMBtu (12.9 g/GJ)
- + High heat release up to 5 MMBtu/hr/ft (4.8 MW/m)

### Benefits At A Glance

- + Low pressure drop
- + Easy installation
- + Simple combustion controls
- + Quick commissioning
- + Wide burner turndown (up to 20:1)
- + Compact flame less than 3 feet (<1 m)



*Easy installation with high reliability,  
minimal maintenance and low emissions.  
That's smart. That's JZHC.*



The Coen, Hamworthy and Todd brands have been advancing the science of combustion through the development of superior burner technologies for decades. Today, these respected products are part of John Zink Hamworthy Combustion, where we combine our technological expertise, vast resources and industry experience to provide the world's most advanced selection of innovative inline duct burner solutions. This includes burners, igniters, safety systems and ancillary products, all designed to deliver optimum environmental and economic performance.

### Customized for Optimum Performance

The ProLine burner, designed as a modular element, can be easily scaled for your specific application. Our engineering team will customize the burner elements for optimum heat distribution, short flame length and lowest emissions. These elements can be delivered loose or in a pre-assembled frame, ready for quick installation within the combustion chamber or firing duct.

### Burner Management and Safety Systems

Designed to deliver improved burner safety and reliability, our modern PLC based burner management systems, controls and state-of-the-art digital flame scanners are custom engineered to meet your specific requirements, all applicable local standards, and are designed to interface with modern distributed control systems.



*The iSCAN3™ Flame Scanner delivers enhanced flame detection and discrimination.*



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



Global Headquarters

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