Ultra low NOx emissions of 20 ppm or less with patented Invisiflame® technology

Models available for standard firing mode, the ability to switch between standard and Invisiflame® firing modes, and Invisiflame® only firing mode

Designed for low excess air operation (5%) for maximum fuel efficiency

Ambient or preheated air versions available

Direct spark or pilot ignition

Reduced metal loss in aluminum and steel applications

Low CO emissions including on cold start

www.hauckburner.com
Hauck's TriOx burner is ideally suited for aluminum furnaces, steel reheat furnaces, thermal fluid heaters, and other high temperature heat processes requiring ultra low NOx emissions. The burner's three-staged air injection maximizes production efficiency while minimizing NOx and CO emissions. The unique air-staged design of the TriOx burner also has the proven benefit of scale or dross reduction in aluminum and steel applications. Low excess air operation (5%) results in outstanding fuel efficiency. The TriOx fires any clean industrial fuel gas with a higher heating value of 500 Btu per cubic foot (19.7 MJ/nm³) or greater with ambient or preheated combustion air.

The TriOx burner is ideally suited for industrial heat processes in excess of 1600ºF (870ºC) requiring ultra low NOx emissions of 20 ppm or less. The burner's 13.9" w.c. (35 mbar) air pressure design makes it well-suited for preheated air applications.

For applications where continuous high temperature operation is required, TriOx models are available that operate in Invisiflame® mode only, without the need for flame safety or ignition sources.

The TriOx features a single air connection and a single low pressure gas connection.

The burner design and performance characteristics were optimized using FLUENT® computational fluid dynamics (CFD) software.

For additional information on this product, visit our website at:

www.hauckburner.com

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