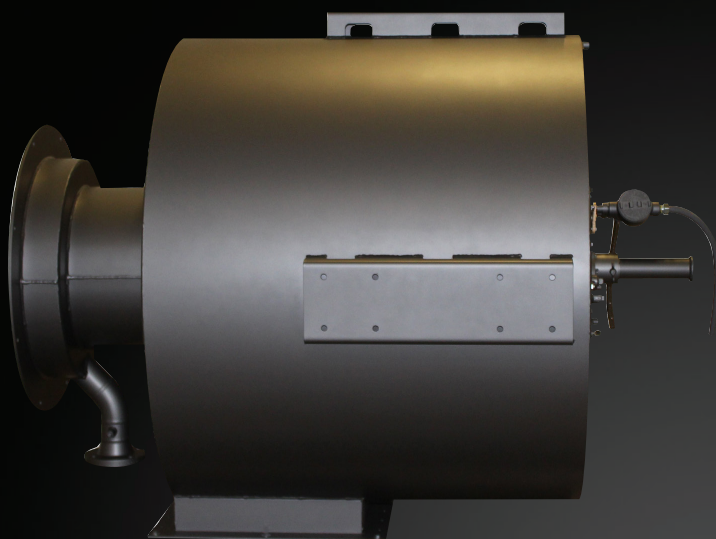


- 13 – 62 MMBTU/hr heat input with maximum chamber temperatures of 2200°F
- Natural gas fired
- Guaranteed emissions NO<sub>x</sub> < 50ppm, CO < 50ppm, trace VOC and particulate for natural gas firing without the use of flue gas recirculation (FGR)
- Low excess air
- Up to 10:1 turndown ratio
- Modular design
- Quick delivery from stock modules
- Flexible configurations for:
  - Process heaters
  - Kilns
  - Furnaces
  - Dryers
  - Oxidizers
- NO<sub>x</sub> emissions can be lowered in the future with the addition of FGR.



Burner side view

## LE MODULAR LOW EMISSION GAS BURNERS

Ideal for emission level compliance driven retrofits utilizing the existing fan, controls and pipe trains.



Operator side view of burner

**LE Modular Burners** are gas fired, forced draft low emission burners for use with either a close coupled or remote mounted fan. These units operate at low excess air levels with turn down ratios up to 10:1. Guaranteed NO<sub>x</sub> emissions as low as 50 ppm, 50 ppm of CO, and trace amounts of VOC and particulate emissions without FGR on Natural Gas Fuel.

Gas is fired through a single stage multiple spud system. The burner includes fixed register geometry and windbox, diffuser, gas ring, spark ignited gas pilot, two sight ports, flame scanner mount, two pressure tap ports and a refractory throat assembly.



Fire side view of burner main gas connection

## LE MODULAR LOW EMISSION GAS BURNERS

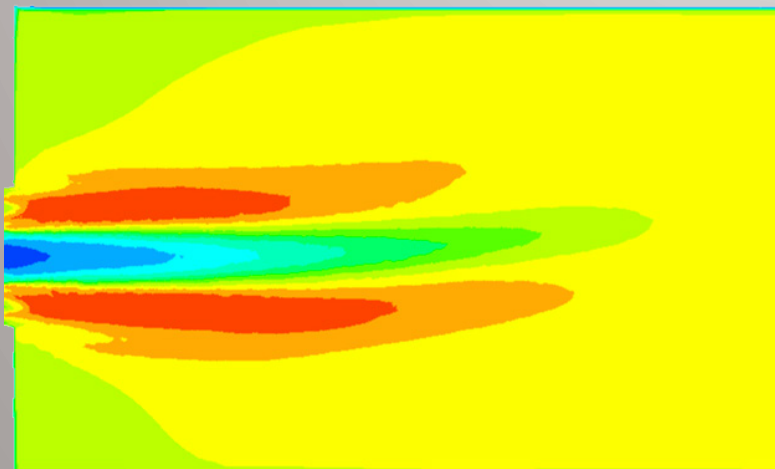
### LE Modular Low Emission Gas Burner Typical Specifications:

Heat Input Range (MMBTU/hr) .....	13 – 62
Maximum Draft Loss (inwc) .....	4.1
Main Gas Supply Pressure (PSIG) .....	10 – 12
Pilot Gas Supply Pressure (PSIG ) .....	0.75 – 2.5
Combustion Turndown .....	Up to 10:1

*\* Guaranteed Emissions:*

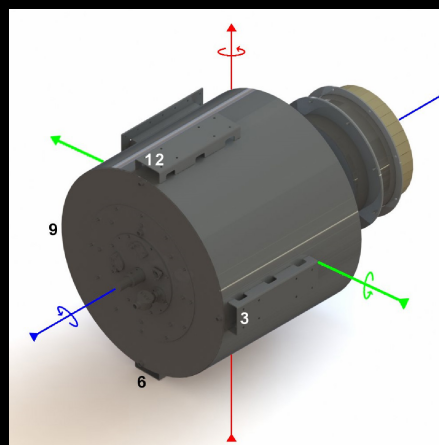
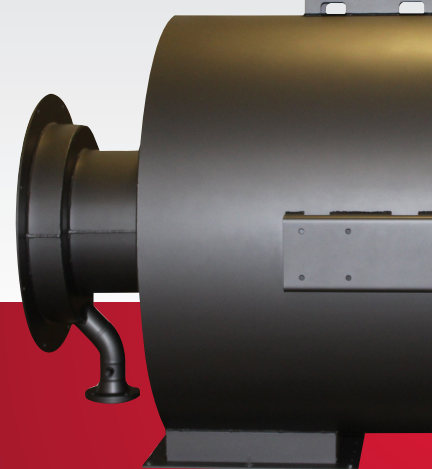
NOx (ppm) .....	50 – 75 no FGR
CO (ppm) .....	50
VOC (lb/MMBTU) .....	0.015
Particulate (lb/MMBTU) .....	0.005

NOx emissions can be lowered in the future with the addition of FGR.



(CFD simulation of LE Burner)

\*Results may vary. Contact factory for details.



**Low Emissions, Modular, Flexible, Convenient  
Installation Options + Quick Delivery = Ultimate  
Retrofit Burner**

The burner can be mounted either vertically up, vertically down or horizontally. Three universal mounting and lifting brackets are located around the burner housing allowing six points to bolt on burner supports and ancillary equipment. The air and gas supply connections can be located in any combination of 45° increments around the axis of the burner to suit site conditions. The entire burner assembly consists of thick steel fabrications designed to provide a long life of trouble free service. Two week deliveries are typical for units supplied with no combustion air fan. Four week deliveries are typical for units supplied with a combustion air fan.

Represented by