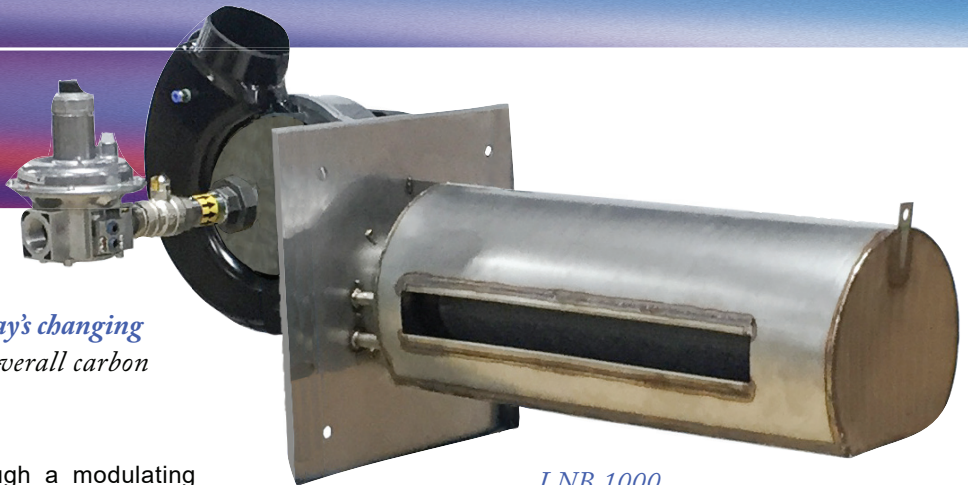


# Low NO<sub>x</sub> Series

## Power Gas Air Heat Burner System With Combustion Chamber



*LNB 1000  
With Combustion Chamber  
U.S. Patent 9,599,336*

*The Midco LNB LOW NO<sub>x</sub> gas burner was developed to meet today's changing emission requirements to reduce the overall carbon footprint.*

The air and gas are premixed through a modulating premix gas blower. The air and gas is ignited using a simple direct spark ignition system not requiring an additional pilot burner. Once the air and gas are premixed it is distributed through a high efficient metal fiber burner head. Premixing the fuel and air before ignition assures complete combustion with reduced levels of CO and NO<sub>x</sub> to meet low NO<sub>x</sub> emissions.

Our modular burner concept keeps the initial investment low and maintenance costs at a minimum compared to flue gas recirculation type burners.

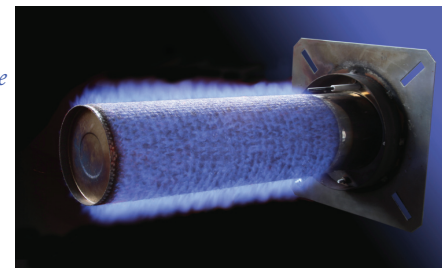
Our controlled system is capable of operation in air streams up to 28,000 CFM based on required temperature rise of equipment.

Application Specific: Consult the Midco Engineering Team for specific emission requirements.

### *Features*

- **Burner Capacity:**  
*LNB 500 - 100,000 to 500,000 BTU's*  
*LNB 1000 - 150,000 to 1,000,000 BTU's*  
*LNB 2000 - 400,000 to 2,000,000 BTU's*
- *NO<sub>x</sub> emissions less than 30 ppm corrected to 3% O<sub>2</sub>*
- *CO less than UL Emission Requirements*
- *High efficiency radiant heat release*
- *Chambered flame protection in air systems up to 28,000 CFM based on required temperature rise of equipment*
- *Universal Mounting flange*
- *Easy Installation*
- *Easy burner setup*

*LNB 1000  
High Fire  
Blue Flame Mode  
(Inside Chamber)*



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