

# WINNOX BURNERS

*Efficient and Simple,  
Winnox Burners Meet  
Tomorrow's Emissions  
Mandates Today*

*Designed to comply with  
the global emissions mandates  
of the 21st century, Winnox  
burners are also simple to set  
up and operate.*

Ideal for air heating and oven applications, Winnox burners incorporate direct-spark ignition and an air/gas regulator to fire efficiently over a wide gas turndown range at a controlled ratio.

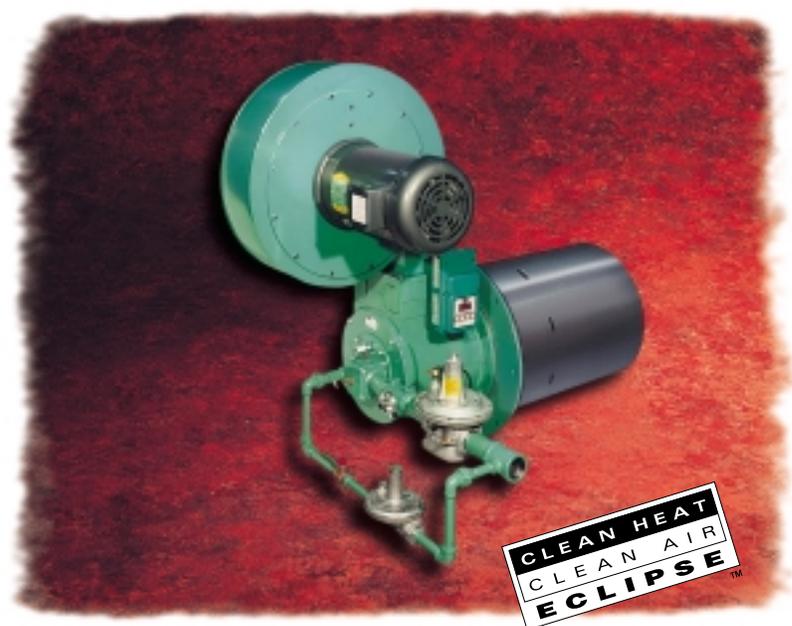
- Patented nozzle design allows for intense mixing of air and fuel resulting in extremely low emissions.
  - Ultra-low NO<sub>x</sub>, less than 20ppm in most applications.
  - And...low CO. Literally no CO emissions during normal operation.
- Short flame completely contained within the firing tube due to intense swirl generated by patented nozzle.

### *Ready for the world*

Winnox burners combine advanced engineering with installation and operational features that are truly world class.

- Multi-fuel capability (natural gas, propane, butane) with no nozzle change.
- Simple, accurate burner control due to integral butterfly valve and ratio-regulator design.

**Low Emission  
Air Heating Burners**



- Packaged convenience. Winnox burners are provided with blowers for ease of installation and at 50 Hz. or 60 Hz. for global application. They are also available with alloy tubes or a refractory combustor to meet the demands of any job.
  - Modular design means a variety of options and configurations are available.
- Consider the many user-preferred features of Winnox before investing in your next air heating burner.

# Winnox Burners

Setting new standards for low emissions

Air Inlet Options –  
Available with integral blower  
(as shown) or without

Alloy Tube or  
Refractory Block

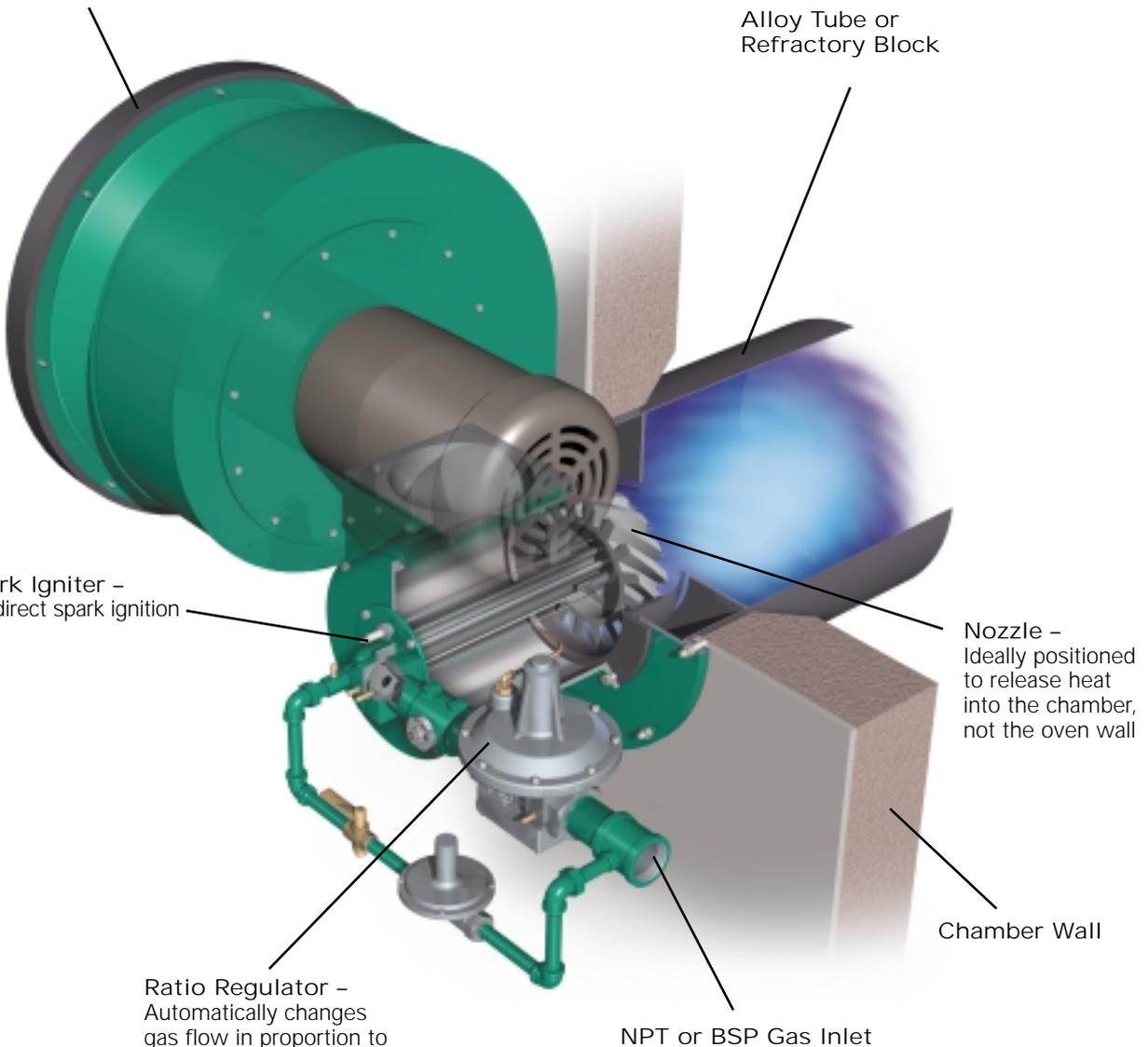
Spark Igniter –  
For direct spark ignition

Nozzle –  
Ideally positioned  
to release heat  
into the chamber,  
not the oven wall

Ratio Regulator –  
Automatically changes  
gas flow in proportion to  
combustion air pressure

NPT or BSP Gas Inlet

Chamber Wall



**ECLIPSE™**  
Innovative Thermal Solutions

**Eclipse Combustion**

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