

# ECLIPSE RATIOAIR BURNERS

## ***Designed for application versatility and simplicity of operation.***

The Eclipse RatioAir is a premium air heating burner ideally suited for applications that require:

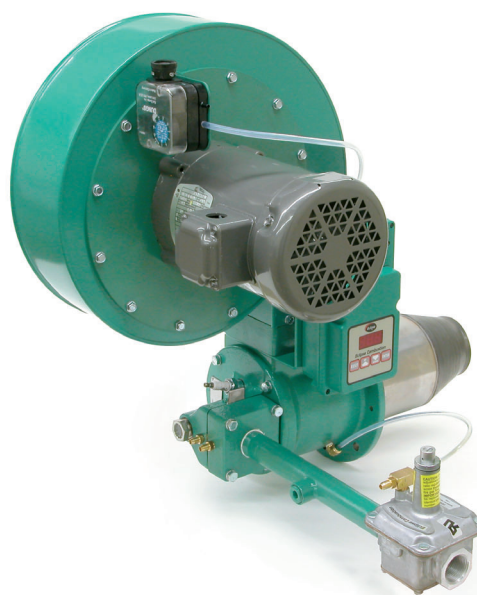
- A velocity burner with integral packaged blower.
- High excess air and ratio control.
- Use of unusual fuels (e.g. low Btu fuels).
- High chamber temperatures (up to 2500° F - 1370° C).
- Confined firing chambers.

Available with three different outlet tube velocity characteristics (standard, medium and high velocity), RatioAir burners are capable of flame speeds of up to 500 feet per second. This results in improved temperature uniformity, product quality and system efficiency. A ratio regulator automatically compensates for changes in operating conditions and assures ratio controlled operation over a turndown range in excess of 50:1. A direct drive air butterfly eliminates linkages which can slip or jam during operation.

## ***Easy to install, operate and maintain***

- Standard nozzles burn natural gas, propane, butane and unusual fuels.
- Right or left hand piping. NPT or BSP inlet pipe threads.
- Direct spark ignition.

## ***High Performance Burners For Process Air Heating***



- Can be disassembled from the rear without entering the firing chamber.
- Quick change spark and flame rods; optional quick-change air filter.

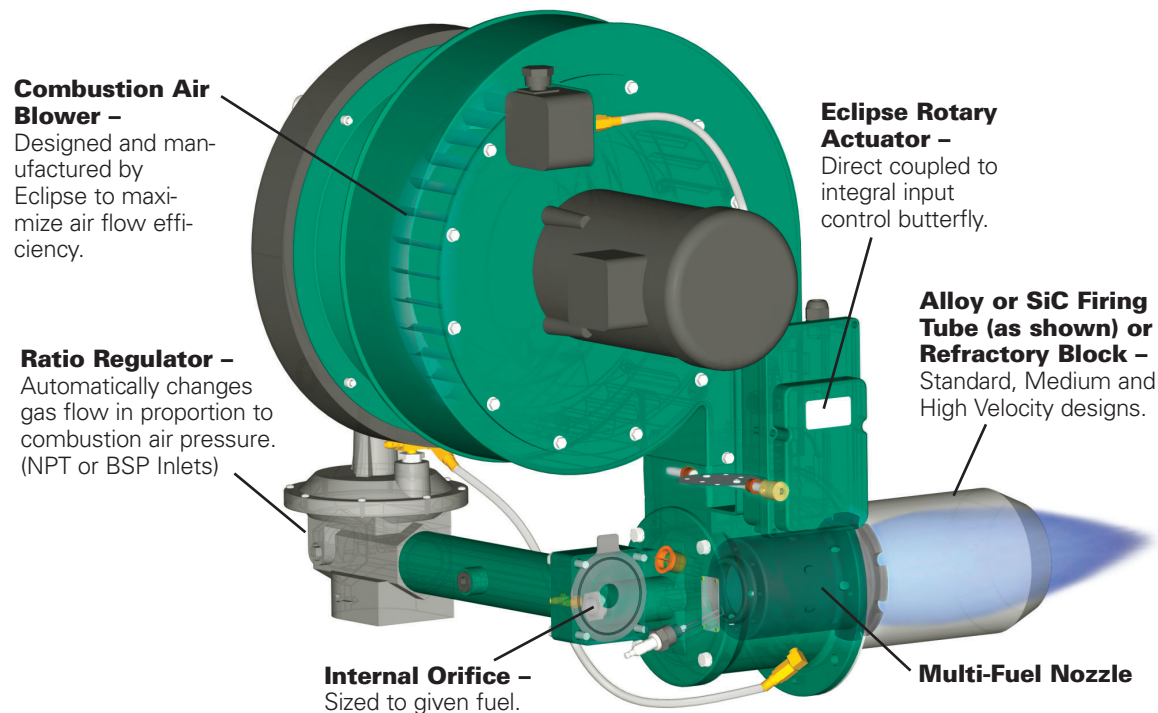
## ***Proven application versatility***

Applications successfully fired by RatioAir burners include:

- Glass Lehrs
- Indirect Fired Air Heaters
- RTO Incinerators
- After Burners
- Tempering Furnaces
- Water Bath Vaporizers

# RatioAir Burners

*Setting new standards in versatility and flexibility for the process air heating market.*



## HeatPak Packaging Option



All RatioAir burners are available with the exclusive HeatPak packaging option. Each packaged burner unit includes an Eclipse Veri-Flame modulating single burner monitoring system, valve train, gas pressure switches, position indicator and ignition transformer with a metal NEMA 12 enclosure. All piping and wiring to supply a completely operational unit that meets NFPA-86 standards is done at the Eclipse factory. The customer connects gas and electricity and the burner is ready for operation.

**ECLIPSE<sup>®</sup>**  
Innovative Thermal Solutions



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