

## Eclipse RatioMatic Burners

- High performance burners for process air heating
- Ratio regulator automatically compensates for changes in operating conditions such as dirty air filters which can upset the air/gas ratio in competitive linked valve systems
- Turndown range of up to 90:1, depending on burner size and chamber conditions
- Direct-drive air butterfly eliminates linkages which can slip or jam during operation
- Fast-mixing nozzle provides clean, stable flame at all firing rates and releases heat into the chamber, not the oven wall
- Ideal for emission-sensitive processes due to low NO<sub>x</sub>, CO and aldehydes



### Applications

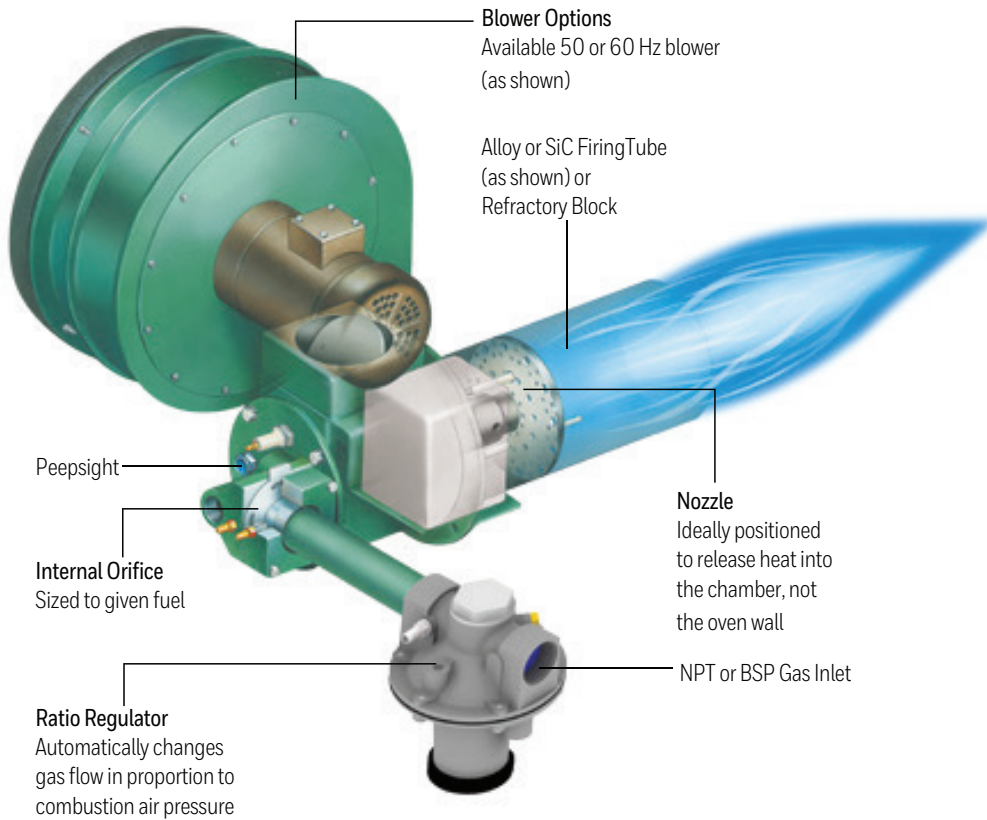
RatioMatic is a packaged air heating burner that features simple operation and robust, reliable performance. The ratio regulator and direct drive air butterfly simplify start-up and adjustment. The fast mixing nozzle provides a clean, stable flame at all firing rates. RatioMatic delivers high fuel efficiency and low NO<sub>x</sub>, CO and aldehyde outputs. The RatioMatic design takes the guesswork out of start-up and adjustment.

### Easy to install, operate and maintain...worldwide.

- Capacities from 135 to 8000 kW (500,000 to 30,000,000 Btu/hr)
- Standard nozzles burn natural gas, propane or butane
- Right or left hand piping. BSP or NPT pipe threads
- Can be disassembled from rear without entering the oven or duct
- Direct spark ignition
- Quick-change spark and flame rods; optional inexpensive quick-change air filter
- Can be ordered stripped or completely packaged, wired and piped, ready to set up and start up
- Choice of alloy tube or high-temperature combustion chamber (SiC tube or refractory block)
- NFPA or CE type valve trains
- Models less blower to connect multiple burners to a single manifold; or for high pressure blower/high back-pressure applications

## TYPICAL APPLICATIONS INCLUDE:

- Dry-off and curing ovens
- Incinerators
- Indirect air heating
- Textile drying
- Food processing/baking
- Annealing
- Aluminum homogenizing



### For more information

The Honeywell Thermal Solutions family of products includes Honeywell Combustion Controls, Honeywell Combustion Safety, Honeywell Combustion Service, Eclipse, Exothermics, Hauck, Kromschroder and Maxon.

To learn more about our products, visit [ThermalSolutions.honeywell.com](http://ThermalSolutions.honeywell.com) or contact your Honeywell Sales Engineer.

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We reserve the right to make  
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PIN-18-13-US | 04/18  
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