

Eclipse RatioMatic burners

Product brochure - US
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ECLIPSE[®]

- 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_x, CO and aldehydes

Applications

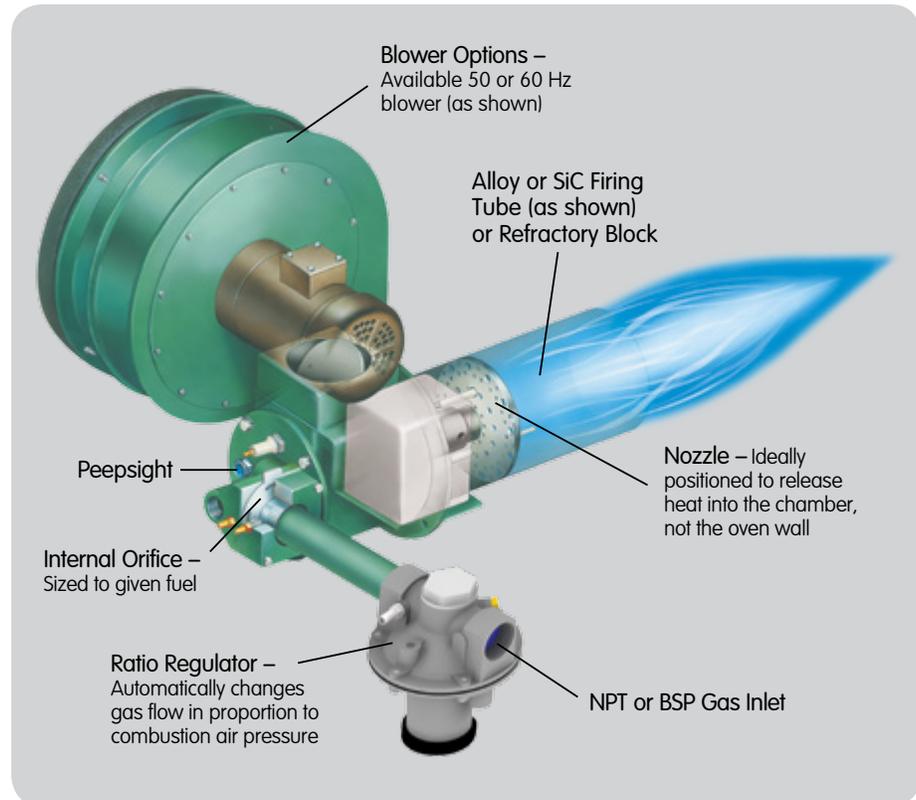
RatioMatic is a packaged air heating burner that features simple operation and robust, reliable performance. The ratio regulator and direct drive air butterfly simplify start-up and adjustment. The fast mixing nozzle provides a clean, stable flame at all firing rates. RatioMatic delivers high fuel efficiency and low NO_x, CO and aldehyde outputs. The RatioMatic design takes the guesswork out of start-up and adjustment.

Typical applications include:

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

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



Contact

www.eclipsenet.com → Sales

Eclipse, Inc.
1665 Elmwood Road
Rockford, IL 61103
USA

T +1 815 877-3031
info@eclipsenet.com
www.eclipsenet.com

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