

# ECLIPSE BRIGHTFIRE™ 200

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## BURNERS

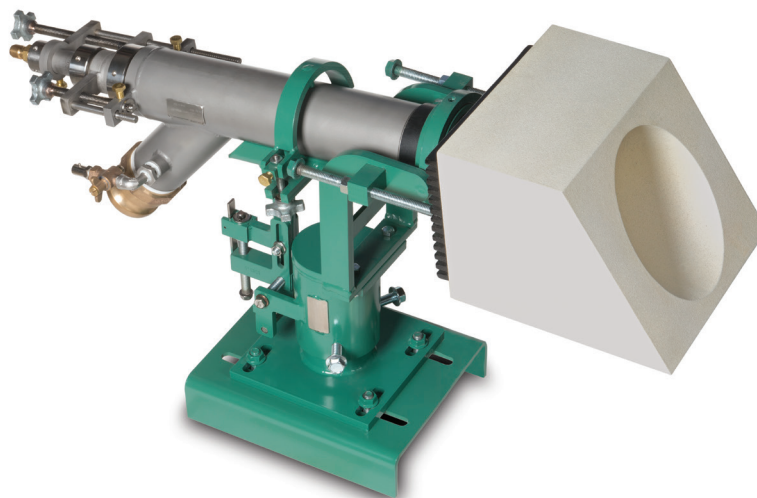
The Eclipse BrightFire™ 200 is an adjustable, low NO<sub>x</sub>, air-fuel burner, compatible with regenerative glass furnaces. The burner provides superior flame and heat transfer adjustability by providing a gas flow adjustment in addition to area adjustment. This valve combination allows increased flexibility in flame geometry, location of heat input into the glass melt, and a significant reduction in NO<sub>x</sub>.

The additional gas flow adjustment can be operated independently of the area adjustment. The gas flow adjustment allows the operator to change the location of the heat release from the flame into the glass melt without significantly altering the flame length, while the area adjustment controls the flame length.

The BrightFire™ 200 is available in three body sizes (G, M, and B) with a range of nozzle sizes for inputs from 2 to 28 MM Btu/hr. To provide greater flexibility with different furnace types, two types of inner nozzles are available, as well as profiled or straight body options. It is compatible with the current Eclipse mounting bracket and socket plates, and utilizes the same single gas and cooling air connections as the current BrightFire™.

With various nozzle combinations, the flame shape, emissions, and heat release can be tailored to specific furnace needs.

Oil lances are also available in a variety of inputs from 2 to 28 MM Btu/hr (528 to 7388 kW). Oil lances are easy to install in place of the inner gas tube for a flexible back-up option in the event of natural gas interruptions.



### **BrightFire™ 200 Features**

- Additional adjustments for increased flame control and burner flexibility.
- Very low NO<sub>x</sub>. Can be tuned to maximize heat transfer and minimize NO<sub>x</sub>.
- Single gas connection for simplified, cost effective application.
- Compatible with Eclipse mounting bracket and socket plate for easy installation.
- Compatible with current BrightFire™ gas and cooling air connections for easy conversion.
- Nozzle combinations allow firing to be tailored to furnace requirements.
- Durable construction.
- Low maintenance.
- Improved glass quality.
- Reduced fuel usage due to improved heat transfer into the glass.

# BrightFire™ 200 Burners

*Lower emissions, superior flame control and burner flexibility.*

