

# ECLIPSE HEAT-UP BURNERS

## **A complete, portable system for furnace heat-up applications.**

The Eclipse Heat-Up Burner is a portable combustion system designed for the controlled heat-up and dry-out of refractory in a variety of furnaces, including glass furnaces. It is typically used to raise the furnace temperature from a cold start up to main burner light-off. The system is also used for slag burn-out and cleaning in furnace regenerator checkers. The Eclipse Heat-Up Burner system is available in three standard burner sizes; 3,000,000 Btu/hr. (879 kW), 6,000,000 Btu/hr. (1758 kW) and 12,000,000 Btu/hr. (3516 kW). A variety of other capacities are also available.

### **System Features**

- The main gas and air cart includes the combustion air blower and gas and air safety systems.
- All safety interlock and controls required for monitoring and starting the burner system are included.
- Interconnecting hoses and wiring are provided for easy set up.
- All safety systems meet NFPA 86 requirements.
- The system can be designed with manual controls or with a fully automatic control system with mass flow metering of the combustion air and gas.
- The Eclipse ThermJet direct-fired burner is supplied with an extended combustor cone.

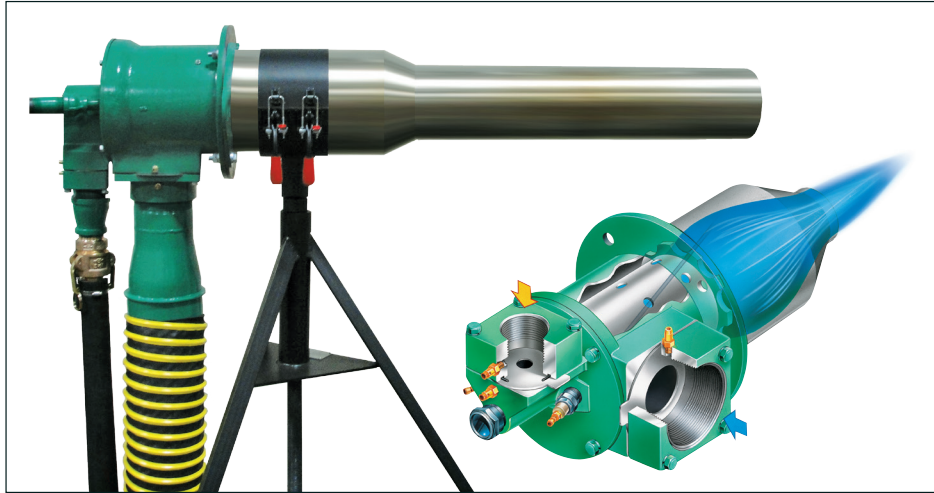


### **Optional Equipment**

- Heavy duty burner tripods with locking wheels are available as an option.
- Combustor cones are available with straight or angled nozzles, depending on the application needs.
- Safety systems can be designed to meet wide range of specific customer requirements.

# Eclipse Heat-Up Burners

*Complete, portable combustion system for furnace applications.*



## **Burner Section**

The Heat-Up Burner system features the patented Eclipse ThermJet burner, which delivers a consistent flame at a high turndown for precisely controlled heat-up and dry-out. ThermJet provides users with simplified operation and rugged durability.



## **Main Gas and Air Cart**

The main gas and air cart includes the gas valve train, control panel and combustion air blower to provide a complete system on a wheeled frame. Flexible gas and air lines are included for connection to the burner section.

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