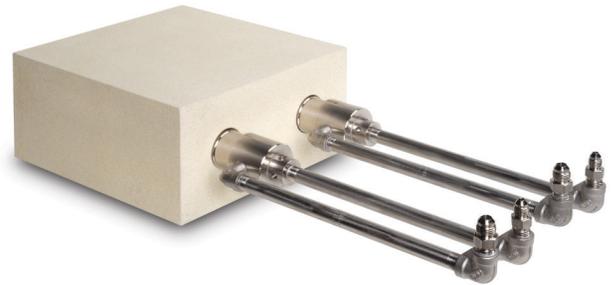


ECLIPSE PRIMEFIRE FOREHEARTH BURNERS

Significant reductions in emissions and fuel consumption.

The Honeywell Eclipse Primefire Forehearth burner is a patented oxygen-fuel burner. The oxygen nozzles are manufactured with AISI 304 or better stainless steel or Inconel for improved temperature resistance. Burners can fire natural gas, propane, butane or mixed fuels and can be sized for a variety of capacity requirements. The nozzle-mix burner design utilizes separate oxygen and natural gas inlets. The burner and burner block can be designed as a direct retrofit to existing air-fuel equipment.



Benefits of Oxygen-Fuel in Glass Forehearths:

- 80% reduction in NOx emissions.
- 60% reduction in fuel consumption.
- Improved temperature homogeneity throughout the glass.
- Reduced maintenance.
- Reduced safety issues.
- Ease of set-up and operation.
- No blowers required for the combustion process.

Burner Model	Typical Burner Specification			
	Fuel Flow Rates		Max. Capacity*	
	Nm ³ /hr	SCFH	Btu/hr	kW
Primefire FH012	0.06-0.34	2-12	12000	3.5
Primefire FH017	0.13-0.45	5-17	17000	5.0
Primefire FH035	0.24-0.99	9-35	35000	10.3
Primefire FH050	0.37-1.42	13-50	50000	14.6

* Based on Natural Gas 1000 Btu/Cubic Foot (gross calorific value). Gases with higher calorific values may require special nozzle sizing. Contact Eclipse for more information.



For more information

The Honeywell Thermal Solutions family of products includes Honeywell CombustionControls, Honeywell Combustion Safety, Honeywell Combustion Service, Eclipse, Exothermics, Hauck, Kromschröder and Maxon. To learn more about our products, visit ThermalSolutions.honeywell.com or contact your Honeywell Sales Engineer.

Honeywell Process Solutions

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We reserve the right to make
technical modifications
in the interests of progress.

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