



IRC-1 High Intensity Burner

Designed to deliver high intensity radiation. The radiation surface is entirely ceramic. No metal parts are exposed in the radiation zone.

How It Works

The Selas IRC-1 Infrared Ceramic Burners deliver high intensity radiation. The radiation surface is entirely ceramic. No metal parts are exposed in the radiation zone.

IRC-1 Burners utilize most clean

gaseous fuels with conventional mixing systems in the 8-16 ounce air pressure range. Spark and flame rod mountings are available to insure positive ignition and flame supervision.

Applications:

- Ceramic tile curing & glazing
- Core drying
- Radiation convection systems
- Food processing
- Textile ovens
- Paint, plastics drying & curing
- Glass heat treating & polishing



Diverse Combustion Technologies. One Reliable Source.

Operating Principles

The IRC-1 burners are applicable to many types of heat processes. The simple, flexible design lends itself to a wide range of mounting and manifolding patterns. Individual adjusting valves are available for special heat patterns.

Capacity Table

Mixture Pressure - Inches W. C.	0.25	0.5	1	2	4	6	8	10	12
1000 BTU/Hr. Per Burner*	4.3	6.7	10.3	15.4	2.2	27.4	32.3	36.8	39.3
Surface Temperature - °F	1350	1450	1550	1700	1830	1900	1900	1940	1950

* BASED ON 100% AERATION

Features	Benefits
2000°F surface temperature	Concentrated heat stable in high drafts
Simple modular design	Flexible mounting patterns
All ceramic face	No metal parts exposed in radiation zone
Rugged cast iron body	Easy maintenance and long life
Spark and flame rod mountings are available	Ensures positive ignition and flame supervision



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