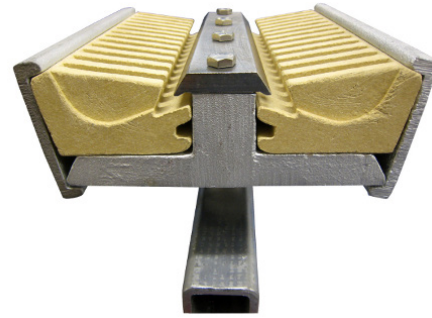


**Capacity:**  
8,000 BTU/in. at 6 1/2" w.c. mixture pressure



## Selas KN Infrared Burner

### Flame Impingement Gas Fired Infrared Burner

*The model KN burner is a flame impingement gas-fired burner, with modular burner sections and a standard size of 7" in length. During firing, the flames impinge directly on the finned refractory surface which produces a high density radiant heat flux. The input fuel is converted into two forms of energy, 30% infrared and 70% convection. The temperature at the surface of the burner reaches up to 2000°F. The turn down ratio is 4:1.*

### How It Works

The burner contains two ceramic refractories made of Cordierite. The air/gas mixture passes from the manifold through the body of the burner and is directed onto the refractories through a slit orifice extending the length of the burner. A slit orifice is less likely to clog with rust or metal grains than older technology ported orifices, which extends the lifetime of the burner.

The model KN burner is very durable and is designed for rugged applications. It can be rebuilt with spare parts by maintenance personnel.

The standard model's side and baffle plates are made of cast iron (CI-KN). For high temperature applications (+650F), these plates are made of a special high temperature alloy (KN-SS-SC). In addition to the high temperature, the special alloy improves corrosion resistance.

The machined stainless steel baffle plate has a smooth surface which produces a more uniform slit orifice, prevents particulate build up in the orifice, and promotes easier light off.

### Applications:

- Glass Annealing
- Food Cooking
- Textile Machines
- Paper Drying
- Manufacturing Construction Materials



Diverse Combustion Technologies. One Reliable Source.

## Features & Benefits

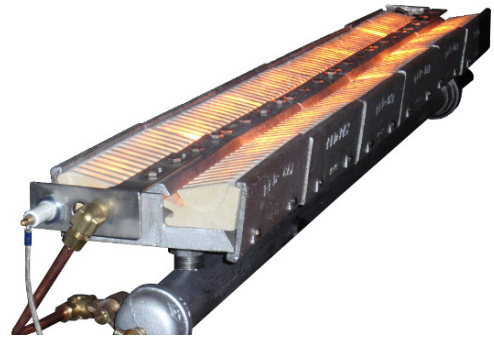
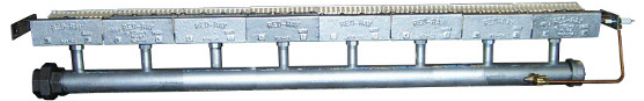
- Finned cordierite ceramic refractory emitters
- 30% IR, 70% convective energy output
- Stainless steel spacer to deliver combustion mixture
- High temperature, corrosion resistant alloy side plates lifetimes
- Machined, grey iron sand cast body
- Modular burner sections with carbon steel unions
- Replaceable emitter with secure attachments
- Radiant heat is distributed uniformly
- High velocity radiant heat diffuses surface boundary layers
- No ported holes to clog, fewer dark spots
- Longer wear resistance than cast iron baffle
- Less warping, longer burner lifetimes
- Structural integrity in continuously operating ovens
- Easy and quick replacement of burner sections
- Designed to reduce maintenance costs

## Specifications

8,000 BTU/in. at 6 1/2" w.c. mixture pressure

Radiant temperatures to 2000°F

Turndown ratio of 4:1



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