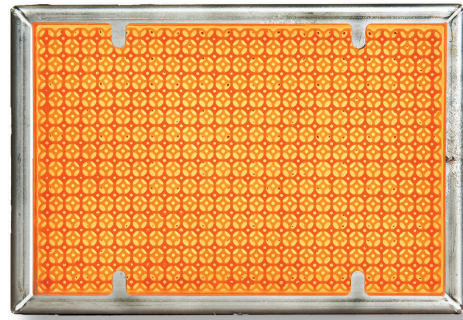


Gas-Fired Infrared Emitter
Exclusively Designed for Paper Drying



SELAS HI-IR High Intensity Infrared Emitter

Energy savings, reduced emissions and greater radiant energy density

Selas Heat Technology Company has 80 years of experience in the combustion industry and is a pioneer in the heat technology industry with a heritage of innovation that is approaching 120 years. This newest innovation, the High Intensity Infrared Emitter (HI), outperforms every other high intensity emitter in those attributes that are of critical importance to production managers, energy engineers, and maintenance.

How It Works

More Powerful for Increased Drying Capacity

A siliconized silicon carbide (SiSiC) lattice is at the core of the HI-IR technology, eliminating the upper temperature limitations in current emitters. Drying limitations are easily overcome with up to 12 kW input per emitter (422 kW/m²)

Lower Energy Costs

The structure and increased surface area of the lattice, combined with the near perfect "black body" emissivity of SiSiC, provides more radiating surface unmatched by other competing technologies. Energy savings of 30% and more are possible.

Reduced NOx Footprint

Complete combustion within cell structure of the lattice results in no open flames – lowest NOx profile for emitters in the industry.

Longer Emitter Life

Materials selection and emitter design warrant longest emitter life of any High Intensity Infrared Emitter.

Features

- 2450°F (1350°C), industry leading.
- Up to 100% higher radiant energy, best in class.
- Industry leading energy efficiency and reduced environmental impact.
- Rated capacity of 12kW per emitter (422 kW/m²).
- Unique Lattice Design.
- No metal screen or fragile SiC rods.
- Universal mounting design.

Benefits:

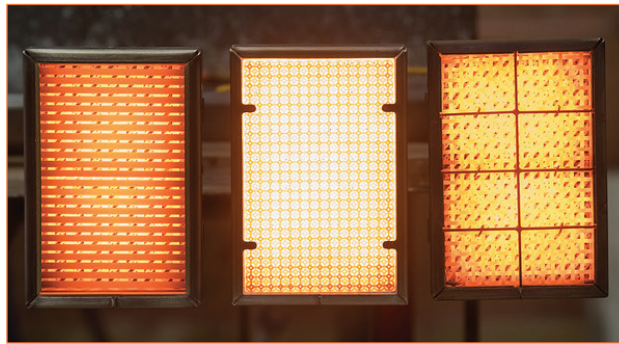
- Higher drying capacity
- Increased production
- Reduced operating cost, reduced NOx and CO emissions
- Flexibility in selecting installation locations
- Resistant to water and coating damage
- Years of reliable performance
- Easy to retrofit to existing dryer systems



Diverse Combustion Technologies. One Reliable Source.

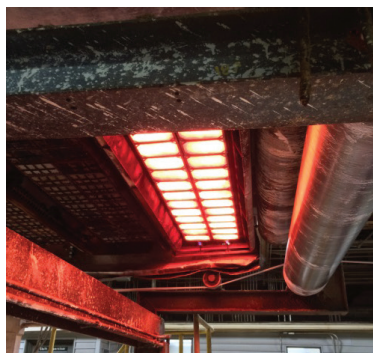
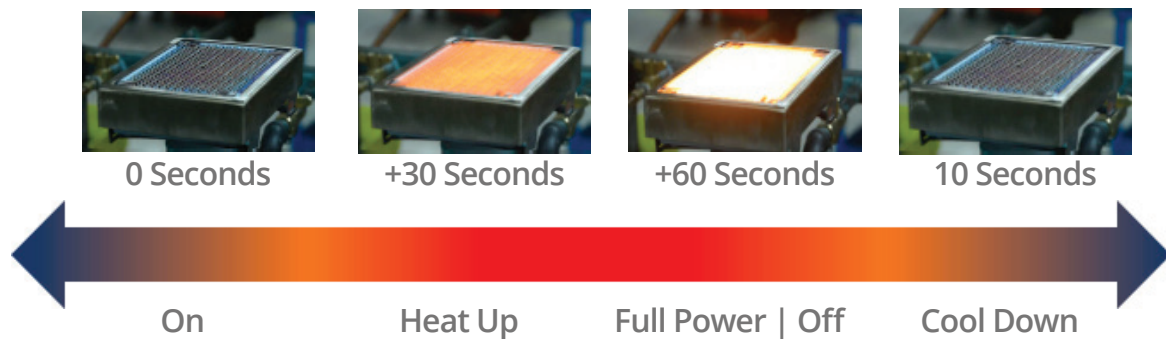
High Intensity Infrared (HI-IR)

Upgrade Your Gas-Fired Infrared System to HI-IR Technology from Selas



The Selas HI-IR emitter is pictured in between two competitors. The next generation SiSiC lattice eliminates upper temperature limitations resulting in the highest power output.

Best in Class Heat Up and Cool Down Time



A double-row of HI-12S emitters replaced 2 rows of competitor's emitters resulting in increased drying capacity, reduced gas consumption, as well as reduced NOx emissions.

SELAS HI-IR Offers:

- ✓ ENERGY SAVINGS
- ✓ LOWEST NO_x EMISSIONS
- ✓ LONGEST LIFE

For an evaluation of your existing systems, an up-to-date drying analysis, or more information about this technology please contact:



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