



The Heat Technology Company™

Glass Manufacturing Burner Solutions



Selas Specializes in Combustion Systems for Glass Manufacturing

Reliable Combustion Technology for the Glass Market

With the development of oxy-fired burners for glass furnaces and forehearths, Selas leads the way as a global source for this technology. Oxygen and fuel safety and control systems are designed and engineered for your specific local requirements and are supported throughout the world.

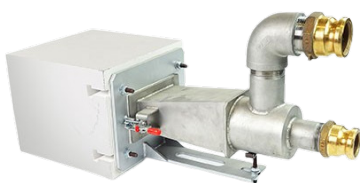
Selas provides a wide range of equipment and process systems to the glass industry, all engineered around the unique challenges of glass.

We have experience with a variety of glass operations:

- Regenerative burners and combustion systems for melters
- Oxy Fuel burners and combustion systems for melters
- Forehearth Premix combustion systems
- Forehearth Oxy Gas burners and combustion system
- Hydrogen capable burners for glassmaking
- Refiner and working end burners
- Edge heating and canal combustion systems for float
- Lehrs and ovens
- Processing and polishing



Selas Burners for Glass Furnace Applications



Oxy Gas Flat Flame Burner*

Produces a sheet flame shape to maximize radiant heat transfer to glass tanks.

*Duel fuel set up also available.



Oxy Fuel Forehearth Burner

Designed to provide temperature homogeneity.



Oxy Conical Burner*

Creates a luminous flame with highly radiative heat transfer. Staging and no-staging options available.

*Duel fuel set up also available.



Selas Adjustable Gas Burner (SAGB)

Designed with an adjustable mechanism for flame length and energy release position.



Selas Adjustable Oil Lance (SAOL) Burner

Provides flexibility by offering two body sleeve sizes.

— Oxyfuel Furnaces —

— Regenerative
Furnaces —

Selas Burners for Secondary Glass-Finishing Applications

Lehrs & Ovens



NEW Pyroflex Burner

Provides high turndown, low NOx, and flexible air and gas control options.



Superflame™ Burner

Offers staged-air combustion for low NOx. For use with process temperatures up to 2500°F.



Air-Heating Package Burner

Comes pre-piped and pre-wired for ovens and dryers.

Line Finishing



Superheat High Temperature Burner

Enhances selective open heating by releasing high heat to precise areas.



Duradiant® Open Firing Radiant Cup Burner

Comes in many forms including open-firing, semi-furnace, and KVA.



Multiport Perforated Refractory (PR) Burner

Combines positive flame geometry with maximum heat release and low turndown.



PRS Spear Flame Gas Burner

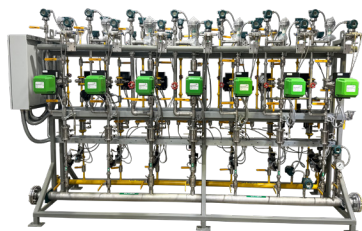
Produces a piloted spear-like flame and offer wide turndown.



Cast-Steel Utility Ribbon Burner

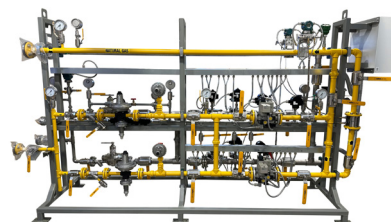
Puts energy where it is most needed in limited space applications.

Selas Flow Controls and Safety Systems for Glass Applications



Oxygen Forehearth Zone Control System

Provides control with fully compensated flow rate measurements.



Safety Train: Oxygen, Natural Gas & Oil

Custom designed & engineered to meet required local standards and distribute fuel & oxygen to the burner safely.

For more information, call the Selas Glass Specialists at 1 (800) 523-6500

For more information, contact the Selas Glass Combustion Specialists.

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