

**Capacity Range:**  
**25,000 Btu/Hr/Inch**



## High Temperature Burners Reach 2800°F: Selas Superheat

*Increase the effectiveness of selective open heating by releasing high heat to very specific areas of a workpiece.*

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### How It Works

Selas Superheat Burners are high temperature gas burners which provide superior flame hardening, flame annealing, fire polishing, brazing and pre-heating.

Our Superheat high temperature burners increase the effectiveness of selective open heating by releasing high heat only to very specific areas of a workpiece.

### Applications:

- Flame Hardening
- Flame Annealing
- Fire Polishing
- Brazing
- Pre-heating



Diverse Combustion Technologies. One Reliable Source.

## Operating Principles

Using commercial fuel gas and air (no bottled oxygen), Selas superheat burners can replace oxy-gas tips and cut operating costs by 10:1 or more.

Gas/air premix is burned under pressure to produce flame temperatures up to 2800°F and blast velocities up to 600 ft./sec. Since conventional gas burners can't handle these extreme operating conditions, Selas superheat burners are the only viable option for many processes.

Features	Benefits
High heat release to localized areas of workpiece	Flame provides high temperature up to 2800° F
Slot lengths from 3/4" to 60"	Blast velocities up to 600 ft/sec
Heat release rates as high as 25,000 Btu/hr/in	Perfect for automated high-speed production lines
Turndown up to 10:1 (10%)	Increases effectiveness of selective open heating
High velocity, "superheated" gas combustion	Uniform heat transfer to work piece



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