

Capacity Range:
2,000 Btu/Hr to 60,000 Btu/Hr



Selas PRS Spear Flame Gas Burners

Designed to produce a piloted spear-like heating flame allowing wide turn-down and offering flexibility, advantageous performance and long life.

How It Works

The PRS burner is normally used for open firing either individually or in groups where a focused or spot heat is required. Like the Multiport P-R burner, it permits quick installation and can be mounted in any position. Selas offers this flame in a range of sizes allowing wide choice of spear flame intensities and variable flame lengths.

The PRS spear flame gas burner is also available with a built-in spark plug to provide push button

electric ignition.

The PRS burner combines a die-pressed, kiln-fired perforated refractory screen with a heat resistant alloy pilot ring. This produces an accurately piloted spear flame for wide turndown.

The PRS burner installs quickly and can be mounted in any position by screwing the standard tapered-pipe thread base into a prepared manifold.

Applications:

- Brazing
- Soldering
- Jewelry Manufacturing
- Ampoule Sealing
- Glass Working
- Dental Manufacturing
- Spot Heat Treating
- Soldering



Diverse Combustion Technologies. One Reliable Source.

Operating Principles

The refractory screen resists clogging and maintains port size while the alloy pilot ring resists corrosion and oxidation. Selas PRS burners can be taken apart for quick cleaning or replacement.

Selas PRS spear flame gas burners provide flexibility, performance, long life and ease of maintenance for localized pointed flame heating.

PRS spear flame burners are often incorporated into combustion systems for applications as diverse as brazing, soldering, jewelry manufacturing, ampoule sealing, glass working, dental manufacturing, spot heat treating, laboratory work, soldering, preheating, and piloting.

Features	Benefits
Perforated refractory screen	Resists clogging and maintains port size
Heat-resistant alloy pilot ring	Minimizes corrosion and oxidation
Localized, spear-shaped heating flame	Flexibility, reliable performance, long life
Complete range of sizes	Many spear flame intensities and lengths
Built-in spark plug on some models	Optional push-button electric ignition



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