

PRS Spear Flame Burners

Flexibility & Performance

Selas PRS spear flame gas burners are designed to produce a sharp spear-like heating flame. They offer flexibility, advantageous performance and long life.

PRS burners are normally used for open firing either individually or in groups where a focused or spot heat is required.

A complete range of sizes allows a wide choice of spear flame intensities and variable flame lengths. Four of these sizes are available with a built-in spark plug to provide "push-button" electric ignition. These are known as PRSE.

Use any commercial fuel gas and any air-gas mixing system which will develop the required pressure to produce the desired flame focusing or heat direction.

The PRS burner combines a die-pressed kiln-fired perforated refractory screen with a heat resistant alloy pilot ring. It provides an effectively piloted spear flame, allowing wide turndown.

The PRS burner design permits quick installation and can be mounted in any position by screwing the standard tapered pipe thread base into a prepared manifold.

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

Selas PRS spear flame gas burners can be chosen with confidence for your localized pointed flame heating requirements to secure flexibility, advantageous performance, long life and ease of maintenance.

Selas engineers are prepared to help you design a complete combustion system using PRS Spear Flame burners, for typical applications such as:

- Brazing
- Soldering
- Jewelry manufacturing
- Glass ampoule sealing
- Dental manufacturing
- Spot heat treating
- Laboratory work
- Can soldering
- Glass working
- Preheating
- Piloting

