Capacity Range:
40,000 to 3,000,000 BTU/hr
(10 to 800 kW)

Selas High Blast Torch

Our high blast torches use a small amount of high pressure air to entrain incoming gas at the mixer.

How It Works

Selas High blast torches use a small amount of high pressure air to entrain incoming gas at the mixer. This produces a hard, sharp, clear blue, typical blast burner flame.

Only ten percent of the total air required is at 20 to 100 psi. This air is passed through a high pressure venturi which inspirates the gas flow and elevates its pressure.

The resultant mixture of one part air and one part gas is delivered to the main orifice at approximately 40% of the inlet air pressure.

Applications:

- **Cupola lighting**
- **Direct flame mold drying**
- **Ladle heating**
- **Crucible preheating**
- **Pouring spout heating**
- **Die heating**
- **Soldering, brazing**
- **Welding preheating**
- **Flame heat treating and flame annealing**

selas®

Diverse Combustion Technologies. One Reliable Source.

Operating Principles

The venturi efficiently entrains large quantities of combustion air and delivers the mixture to the burner nozzle. The high pressure air valve and primary air shutter provide a wide range of adjustments.

Features	Benefits
Available in 8 sizes	Suitable for many different heating applications
High pressure venturi nozzle	More efficient combustion delivered to burner tip
No air blower required	Portability
Compact trouble-free assembly	Easy to clean and inspect

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