

Capacities:
0.5 mm to 10 mm Btu/Hr



S-Glass Oxy Conical

The S-Glass Oxy Conical burners' design is to create a luminous flame with highly radiative heat transfer to the glass furnace, resulting in consistent and reliable operation. Ideal for powerful industrial applications with long life and low maintenance needs. Available in four models, with capacities ranging from 0.5-10MM BTU/hr; the Oxy Conical can also come with oxygen staging.

How It Works

The Oxy Conical burner has a nozzle design that assists in the delay of mixing the gas and oxygen, increasing the cracking and soot generation in the flame causing an increasing in the radiative heat flux. This nozzle design allows

for reliable mixing of the gas and oxygen, resulting in the consistency of the flame as fuel use varies. The addition of staging to the Oxy Conical will allow control of the oxygen to the burner, increasing flame length.

Model	Capacity mm BTU (kW)	
	Min.	Max.
00500	0.125 (36.6)	0.500 (146.5)
01000	0.250 (73.3)	1.000 (293.1)
04000	1.000 (293.1)	4.000 (1172.3)
10000	2.500 (732.7)	10.000 (2930.7)

N. Gas calorific value assumed about 1000 Btu/Cu.ft

Applications

- Glass melter
- Small glass furnaces
- Metal applications



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