This burner should easily reach a temperature of 2300°F in a ceramic kiln. When the flame is contained within a 2 cubic feet enclosure, the maximum temperature is unknown. Maximum output should be around 500,000 BTU.

Design: Richard Mize (Kentucky)
Modifications and distribution of the plans: Ron Reil (Idaho)

8 inch long
1/2 inch diameter pipe nipple

1/2 inch to 2 1/2 inch double tap reducer

12 inch long
2 1/2 inch diameter pipe nipple

Sliding Choke made with 2 inch wide strap and rivets

front view

8 inch long
1/2 inch diameter pipe nipple

1/2 inch pipe cap with #58 (0.0420” decimal) jet hole on face

4 inch long
1/2 inch diameter pipe nipple

2 1/2 inch union coupling

7 holes for air intake must be 1 inch diameter with 3/8 inch between them for strength

1/2 inch pipe cap

1/2 inch pipe cap

Sliding Choke made with 2 inch wide strap and rivets

Jet nozzle should be about here

Refractory clay venturi (optional, see notice*)

Use wood forms to shape in the refractory clay.

Hold in the clay with registration holes drilled into the pipe.

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This file may be freely distributed as long as it remains unchanged. The author takes no responsibility for the misuse or any accident involving these plans or the use of the constructed burner. So: BUILD & USE AT YOUR OWN RISK.