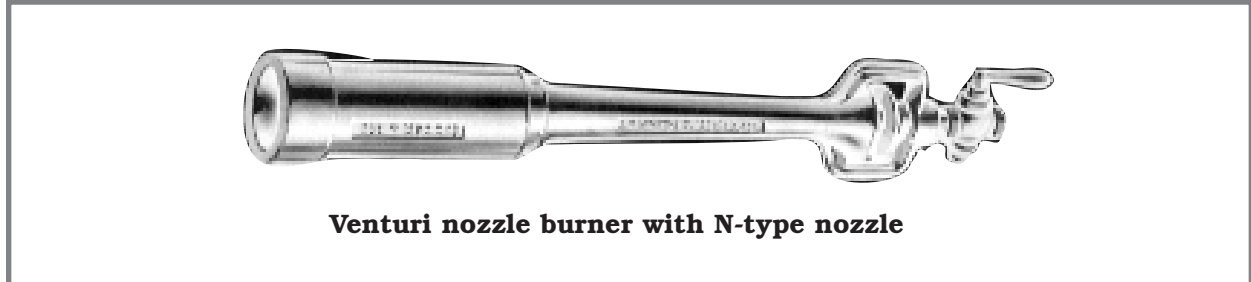
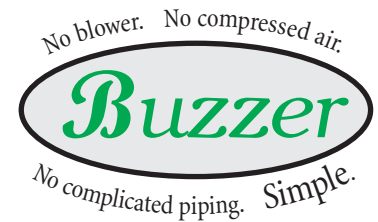


# Venturi Nozzle Burner



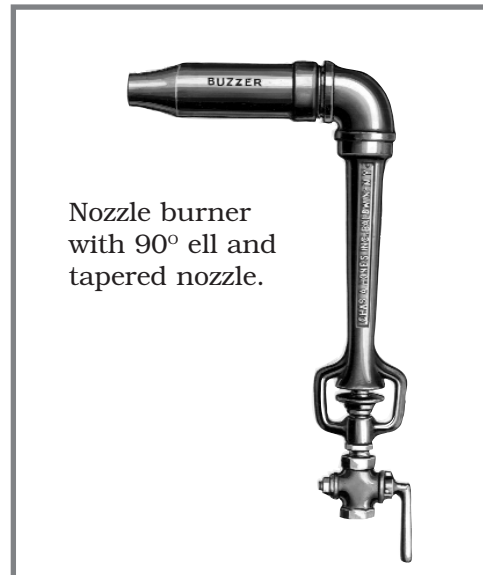
**Venturi nozzle burner with N-type nozzle**

The **Buzzer** Venturi nozzle burner offers a strong and efficient torch type flame using low pressure natural or propane gas. It provides quick, intense heat without the need for boosters, blowers, or compressed air. The all cast iron construction and simple Venturi design make Venturi nozzle burners dependable performers in the metal working, foundry, heat treating, and ceramic industries.

## Features

Venturi nozzle burners come equipped with the **Buzzer** Venturi air mixer, made in the USA of class 30 grey cast iron. Engineered for efficiency, our Venturi mixes combustion air at atmospheric pressure for the quickest and hottest flame without a blower. The **Buzzer** Venturi inspirates maximum primary air to require less secondary air in the combustion chamber, operates without flashback, provides excellent turn-down, and delivers a superior "Bunsen blue" flame. Rugged construction without mechanical parts assures years of reliable, maintenance-free operation.

The Venturi nozzle burner can be positioned to fire horizontally or in a vertical (upwards) position. It can be supplied as a straight burner or with a 90° ell if space is limited. If the application calls for firing vertically down (toward the floor), burners can be equipped with a 45° ell so that the Venturi remains horizontal and the nozzle can be positioned to fire down at a 45° angle.



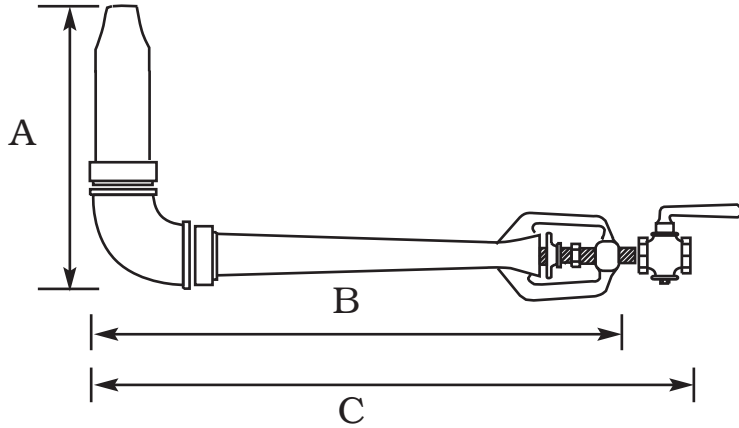
Nozzle burner with 90° ell and tapered nozzle.

## Applications

The **Buzzer** Venturi nozzle burner is commonly used as a high powered torch for singeing, flame treating, pre-heating, and ladle/crucible heating. It is widely used in heat treating ovens, metal melting furnaces, tank heating, bakery ovens, glass annealing kilns, and pottery kilns.



# Venturi Nozzle Burner



Model	A	B	C
VNB 50	4	7	9
VNB 75	5 <sup>1/2</sup>	9	10 <sup>1/2</sup>
VNB 100	7	11	13
VNB 125	9 <sup>1/4</sup>	14 <sup>1/4</sup>	16 <sup>3/4</sup>
VNB 150	11	15 <sup>1/2</sup>	18
VNB 200	14	20	22 <sup>1/2</sup>
VNB 250	17 <sup>1/4</sup>	23 <sup>3/4</sup>	26 <sup>7/8</sup>
VNB 300	19 <sup>1/4</sup>	28	31 <sup>1/4</sup>
VNB 400	25 <sup>1/2</sup>	36 <sup>1/2</sup>	40 <sup>1/2</sup>
VNB 600	23	52	57

Model	Venturi pipe size *	Length in inches	Weight in pounds	Gas connection in inches	BTU's per hour in 1,000's
VNB 50	1/2	9 <sup>1/2</sup>	1	1/8	9
VNB 75	3/4	12 <sup>1/2</sup>	1 <sup>1/2</sup>	1/8	15
VNB 100	1	15	2 <sup>1/2</sup>	1/4	25
VNB 125	1 <sup>1/4</sup>	19	5	3/8	50
VNB 150	1 <sup>1/2</sup>	22	6 <sup>1/2</sup>	3/8	65
VNB 200	2	26 <sup>1/2</sup>	11 <sup>1/4</sup>	1/2	100
VNB 250	2 <sup>1/2</sup>	33	19 <sup>1/4</sup>	1	150
VNB 300	3	39 <sup>1/4</sup>	32	1	250
VNB 400	4	53 <sup>1/2</sup>	70	1 <sup>1/2</sup>	500
VNB 600	6	75 <sup>1/2</sup>	129	1 <sup>1/2</sup>	1,250

Please note: length is figured from end of "N" type nozzle to end of gas cock. Pressure gauges with 2<sup>1/2</sup>" dial available for 0-15" w/c and 0-60" w/c. The optional Venturi register mounting plate is not available on the 6 inch burner. (\* Outlet screws into nozzle.)