

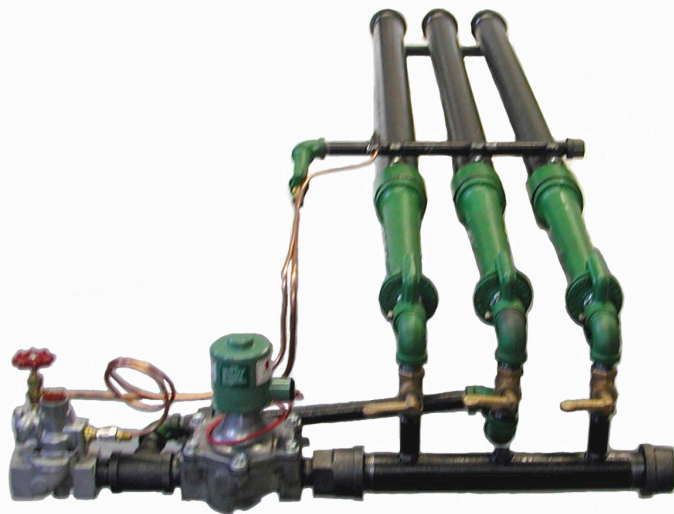


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500,000 BTU Pipe Burner

## Buzzer the quickest & hottest heat without a blower or compressed air

The Buzzer pipe burners equipped with our Venturi air mixer provides a simple and efficient way to heat a large variety of processing tanks. Our pipe burners can be used to heat tanks constructed of carbon steel, cast iron, or stainless steel. With some 50 standard sizes and an almost limitless number of custom modifications, Buzzer pipe burners can be used to heat large, small, square, rectangular, sloping, V-bottom, or any specialty shaped tank. Pipe burners provide a very uniform heat source and represent one of the simplest, most cost-effective ways to apply heat in a wide range of applications.

Our pipe burners can be set up to operate on either natural or propane gas, requiring only a simple orifice change to convert from one gas to the other. All Buzzer pipe 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 inspires 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.

### Standard & Custom Features:

- Operate on Propane or Natural Gas
- Steel, Stainless Steel, or Cast Iron Pipe
- Low pressure Construction (1/2 PSI)
- High pressure Construction (5 psi)
- Blue Flame (Heating Applications)
- Yellow Flame (Decorative Applications)
- 1/2" dia. pipe size to 3" dia. pipe size
- 6" up to 240" flame length available
- Single pipe model or multi pipe models
- Custom designs (circular)
- Custom designs (cut & weld)
- Ports can be drilled 45 / 90 or 180 degree angle
- Projecting Ports (nozzles) available in cast iron, brass or steel



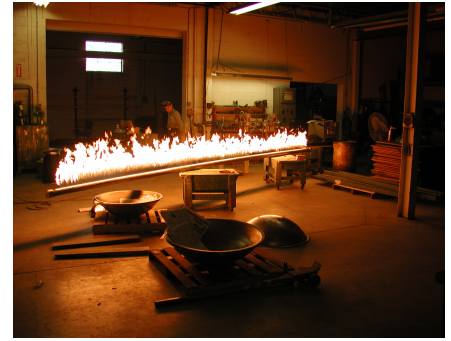
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Standard design for heating black oxide tanks, cleaning tanks, degreasers, blueing tanks, low temperature salt baths, dyeing tanks, rinse tanks & evaporators. Placing the Venturi on the outside of the tank allows it to inspirates cool room air allowing for placement in tight areas. Also reduces burners over all footprint.



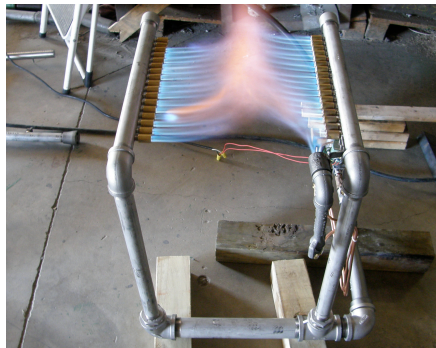
Straight burner design are often used to heat ovens, lehrs, kilns and furnaces. The burners are often positioned to fire under a hearth or grate. This designs provides an almost limitless number of burner lengths and widths. Burners are designed to fit almost any heating application with incredible uniformity.



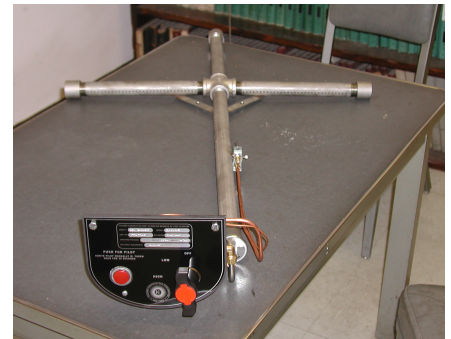
Yellow flame designs are for decorative applications such as fire pits, fire troths & other design sculptures. Often constructed of stainless steel for outdoor use, they can be equipped with either thermopilot controls or the latest spark ignition systems. Photo shows a 20 foot long burner with 18"-24" high flames.



Circular Pipe Burners can be used to supply heat for many special applications. They can be used for heating vats, kettles or round tanks. Flames can be positioned to fire inwards, outwards or vertical straight up. Sizes can range from 2 feet in diameter to 10 feet in diameter.



Pipe burners can also be used for flame treating, pre-heating and singer applications. As with circular models the burner flame can be positioned inwards, outwards, vertical up or vertical down at a 45 degree angle. Burners can be fabricated of stainless steel pipe.



Pipe burners can also be cut and welded into special shapes such as an cross shape as pictured or U shaped (return bends). Such fabrications can be as small as 18" x 18" or as large as 72" X 72". BTU rating from 100,000 up to 250,000 are available



**APPLICATIONS:** Buzzer pipe burners can supply efficient gas heat for many industrial heating applications, including casting ovens, OEM heating equipment, low temperature ovens, plating tanks, black oxide tanks, evaporators, and cleaning tanks. Additional heating applications include bakery ovens, food processing, commercial cooking, singeing, flame treating, heat processing, pre-heating, curtain burners and pilots.