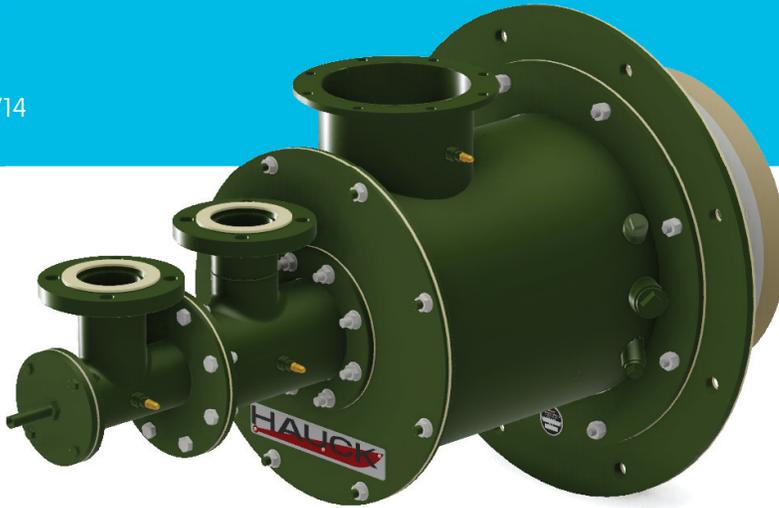


BBC

Multi-fuel Combination Beta Burner

BBC-1
Edition 1/14



- All-purpose, high input industrial burner
- High quality, rugged steel design
- Low air and fuel pressure requirements
- Engineered to operate across a wide range of air/fuel ratios
- Available options include:
 - Lightweight converging alloy tile
 - Converging or diverging refractory tile
 - UV flame supervision
 - Insulated versions for preheated air up to 900°F (480°C)
 - Pilot ignition
 - Low pressure atomization for light oil or liquid propane
 - Compressed air atomization available for high altitudes or heavy fuel oils

Hauck's BBC Multi-Fuel Combination Beta Burner is designed for durability and long life in continuous or intermittent operation in a variety of heating environments. Low air and fuel pressure requirements make it an ideal all-purpose burner for applications including thermal fluid heaters, oxidizers, rotary kilns, gypsum kettles, air heaters, and incinerators. The BBC also operates in applications under pressure or suction.

Burner capacities range from 2.9 million to 109 million Btu/hr (760 to 28,920 kW). The burner is designed to operate on any clean industrial fuel gas with a higher heating value of 500 Btu/scf (19.7 MJ/nm³) or greater with ambient or preheated combustion air. The BBC can meet stringent emissions requirements in many applications and is well suited to work within a firing tube or with flue gas recirculation (FGR).

Available with an alloy tile and or baffle for ambient combustion air and application temperatures up to 1800°F (980°C), or a refractory tile and or baffle for application temperatures up to 2800°F (1540°C). Converging or diverging refractory tiles are available, and the burner also supports angled installation ports or customer supplied shapes within certain criteria.

With a refractory tile, the 1000 and 2000 series can operate with air preheat temperatures up to 300°F (150°C), and the 3000 series can operate with air preheat temperatures up to 900°F (480°C).

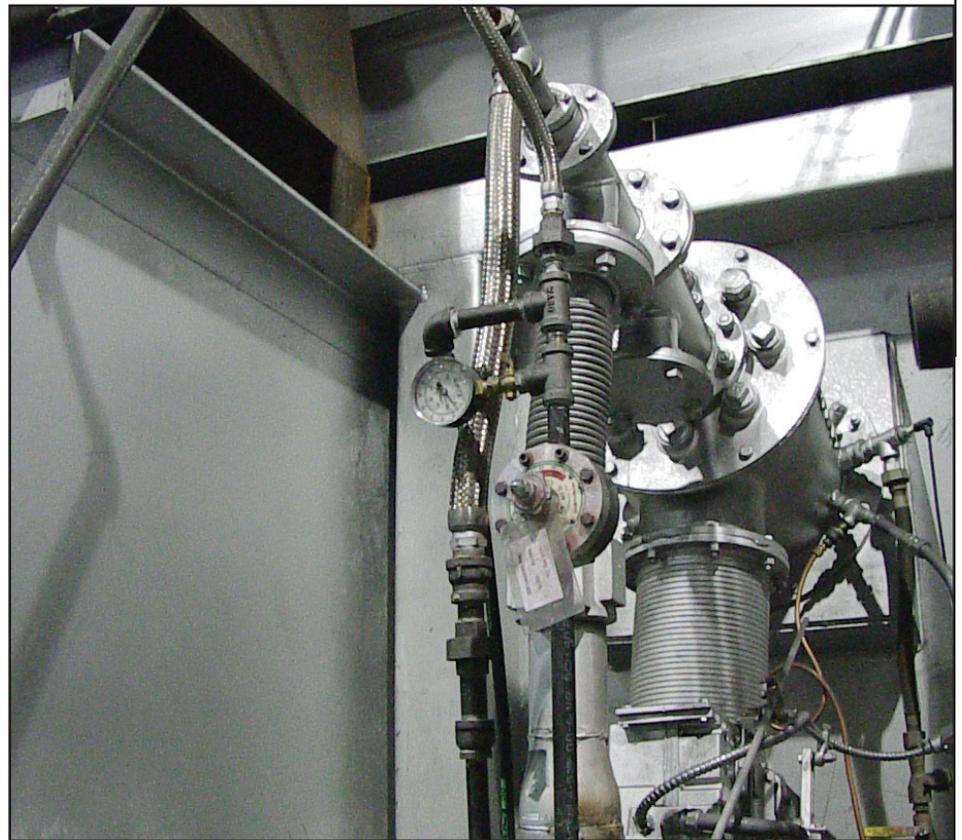
On ratio turndown varies with fuel type, and higher thermal turndown is possible with excess air firing. Nominal burner air supply pressure is 16 osig (68.9 mbar). Nominal gas supply pressure is 4 osig (17.2 mbar). Hauck recommends the use of a self-supporting refractory or alloy tile for soft and hard wall applications.

The BBC burner utilizes pilot ignition and UV flame supervision on all models and sizes.

Customized heating package available complete with:

- Fuel manifolds with Hauck and KromSchroder components
- A Hauck blower and pre-piped air system
- A customized control panel designed to meet your process needs

All products are backed by industry leading customer support, including 24/7 phone support from specialists in the USA.



**Aluminum Furnace with Beta Burner
Firing Heavy Oil**

For additional information on this product, visit our website at:

www.hauckburner.com

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