

PBG II

Packaged Gas Burner

PBGII-1
Edition 03-14



- Many standard and configurable options available to suit a wide variety of applications
 - Choose from three standard fuel manifolds for natural gas and vaporous propane
 - Three options available for air flow control including low cost VFD for energy savings and quiet operation
 - Choice of straight and 90° firing tubes in customer specified lengths
 - Choice of flame rod or UV scanner flame supervision
 - Additional options include flame management controller or a fully integrated control panel with temperature control and high temperature limit
 - Multiple mounting configurations
- High thermal turndown
- Low CO and NOx emissions
- Direct spark ignition

The Hauck PBG II Packaged Gas Burner is designed for simple installation and ease of operation. The burner is suitable for a wide variety of process heating applications. With high thermal turndown capability, it is an ideal choice for heat processes that require rapid heat ramp rates with no temperature overshoot. Four different models are available ranging from 300,000 Btu/hr to 1,000,000 Btu/hr. Designed for applications up to 1900°F (1040°C), the PBGII uses high temperature alloy combustor tubes.

The burner can be ordered with a variety of configurable options. This includes a selection from three fuel manifolds consisting of a compact, prewired NFPA manifold (with regulating function); a basic ratio regulator or a fuel-only manifold. Air flow can be controlled via an integrated manual butterfly valve; 4-20 mA input direct-coupled

actuator and butterfly valve; or through use of VFD.

The PBG II burner can be operated with any clean industrial fuel gas with a calorific value of 2500 Btu per cubic foot or less. Cross connection of the air pressure to the gas ratio regulator allows for low excess air at high fire capacity, while use of a bypass through the regulator enables high excess air at low fire capacity. Basic burner configurations are designed for up to 1 in. w.c. of vacuum or 1/2 in. w.c. pressure in the operating chamber. For chamber pressure requirements outside this range, consult Hauck for variations in function or configuration. Special components or control schemes may be necessary to achieve desired burner performance.

The burner comes with a variety of control options. Even the most basic option provides for the ability

Applications

- Paint baking ovens
- Indirect heat exchangers
- Meat smokehouses
- Paper drying systems
- Glass tempering
- Textile dryers
- Air heating
- And many more...

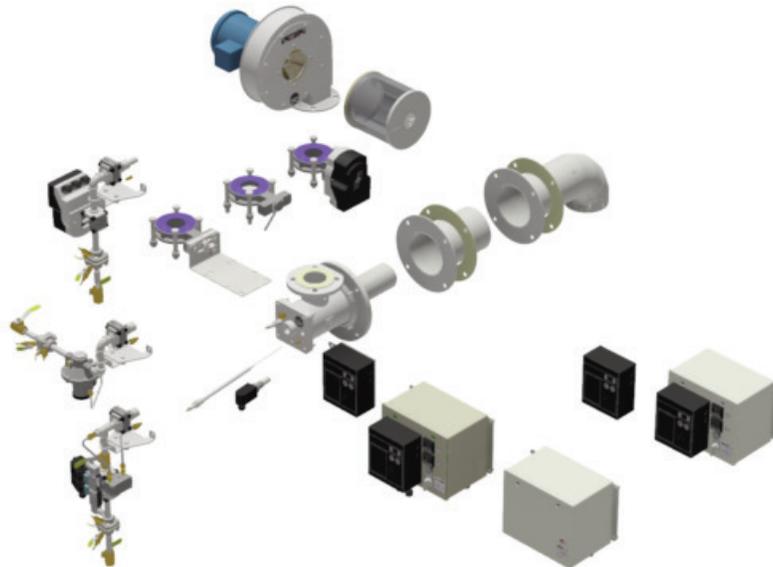
to monitor air and control purge, monitor high and low gas pressures, and display trouble-shooting data.

Each burner is assembled with complete manifold and pre-set air settings. The user must set burner gas flow. As with all Hauck products, the burner is backed by our nationally recognized service department.

PBG II Product Configuration Options

Select from the basic burner, configurable options, or the custom engineered package to meet your specific requirements.

NFPA compliant packages are also available.



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

www.hauckburner.com

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