Capacity Range: 500,000 BTU/hr to 9 MM BTU/hr



PH Package Burner

The PH Package Burners provide reliable heating for processes up to 1,200°F (649°C). PH burners are rugged industrial construction utilizing cast iron burner manifolds, stainless steel burner air wings, and mild steel or stainless-steel outer casings. The PH Burner comes in multiple configurations and offers high turndown to meet the requirements of many heating processes. Linear construction offers quicker distribution of heat and shorter flame lengths than gun-style burners. Ideal for industrial ovens, preheaters, dryers, and spray booths.

How It Works

PH series of gas burners are designed to operate with short flames and high turndown ratios. The burner can be built in many configurations such as straight lengths, T shaped heads, or grid configurations. Burners may be slot fired or sealed to walls with optional flange mounting kits. PH units are modular to deliver a wide

range of capacities with outputs of 1 MMBTU per lineal foot. Units may be supplied bare or with a varying degree of packaging to include fuel train components, flame safety controls, temperature control, and air filtration. The addition of staging to the Oxy Conical will allow control of the oxygen to the burner, increasing flame length.



Applications

- Industrial Dyers
- Industrial Spray Booths
- Air Replacement Systems
- Air Handling Units
- Drying and Curing Rooms



SCAN FOR MORE INFORMATION



• Fuel control provided by a control motor and

threaded butterfly valve offers fixed air - gas only

• Gas train includes automatic shut-off valves, gas

and air pressure switches, and proof of closure

for operation in North America.

> Configurations for operation in other

> Meeting the requirements of NFPA 86 & CSA

countries are available, consult the factory.

Typical Burner Package Includes:

- Basic burner assembly:
 - > Burner
 - > Spark Ignitor
 - > Flame Rod
 - > Peep Sight
- Integral combustion air blower fitted with TEFC blower motor: 50 Hz or 60 Hz
- Mounted, pre-wired control panels with external display includes:
 - > On-Off Switch
 - > Reset Button
 - > Burner Run and Flame Failure indication lights

Burner Configuration

- Numerous nozzle arrangements can be configured to obtain desired heat input and distribution for specific air duct geometries.
- Most PH burners are rectangular.
- Configurations will change if capacities are over 5 MM Btu/hr.
- Geometries include rectangular and "H" or two "T".

Rectangular





Custom Configurations

modulation.

Intricate nozzle configuration can be custom designed to meet specific heating needs. Adapting the basic nozzle outline to assemble a tailored nozzle design, such as the picture below.



Features

Versatile package burner for wide breadth of applications

Up to 40:1 turndown

100% tested before leaving the factory

Benefits

Meets heat performance requirements of numerous applications and processes with multiple configurations available

Process temperature uniformity. Wide range of firing rates eliminating unnecessary burner shut-down and untimely restarts

Ensures superior performance



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Add-On Options

- Ultra-Violet scanner
- Flame safety control
- Temperature controller
- High temperature limit
- Fuel trains
- Fuel control actuators

Mounting Configuration

- Full flanged
- Slot-fired brackets
- Mounted duct work

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