

COMPLETE HEAT

PP BURNER:

The PP burner series of gas burners are prepackaged fan assisted units designed to suit virtually all types of low temperature applications. Typical applications include box ovens, industrial dryers, air make up units, duct heating and fume and particulate incineration. The burner design produces a wide and relatively short flame. This makes the burner ideal for applications where chamber length is restricted.

The nozzle mix design of the burner and the progressive air mixing feature of the combustion head allow turndown capability up to 40:1.

The plant designer has greater range in his design criteria as the PP burner has been engineered with two heat input rates per lineal foot (1 and 2 million Btu/hr/lineal foot).

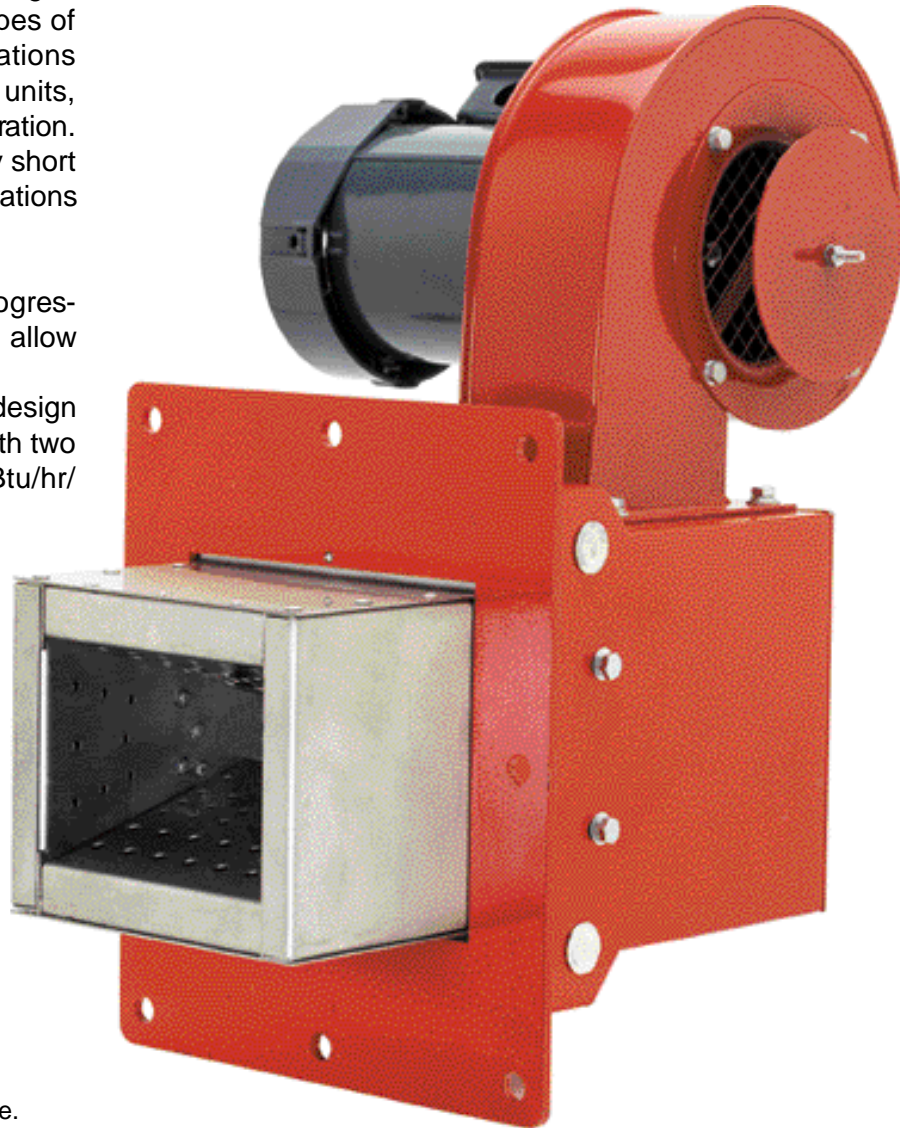
COMPLETE PREPACKAGED BURNERS:

Each burner unit is supplied with:

- A packaged and pre-piped FM or IRI gas safety valve train assembly.
- Integral combustion air fan.
- Complete gas valve assembly consisting of pilot/start valve assembly, ratio controls and governors.
- Complete pre-wired flame failure and automatic ignition controls.
- Electrical components pre-wired to a terminal enclosure. (Special mounting, valve arrangements and additional controls available upon request.)
- Ease of maintenance and installation a top priority.
- Externally mounted spark plug and flame sensor can be removed without unbolting the burner off the mounting flange.
- An access panel on the burner casing allows easy access to the gas manifold and combustion head.
- Gas-only modulation, high-low or on-off controls as required.

Applications Include:

Air heaters	Fume incineration
Food processing	Plastics
Baking ovens	Paper processing
Finishing and coating lines	Textiles

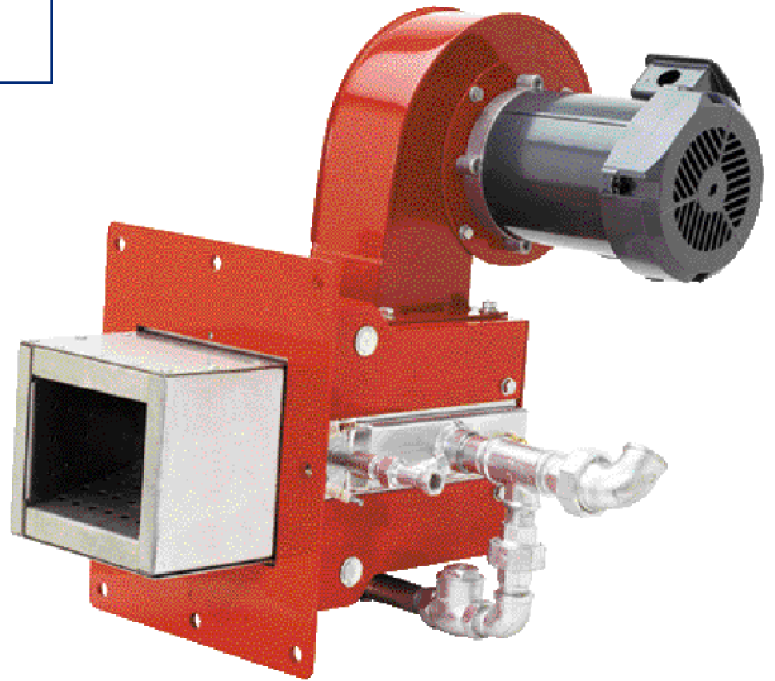


TWO HEAT INPUT RATES:

The PP burner is manufactured in two basic gas manifold and air plate designs making possible a burner range with heat input concentrations of 1,000,000 and 2,000,000 Btu/hr per foot length of burner gas manifold.

The flame length produced by the PP burner is shorter than that produced by conventional burners and depends on burner setting, condition chamber conditions and application.

Nominal flame lengths that can be achieved for the heat inputs of 1,000,000 and 2,000,000 Btu/hr per foot length of burner gas manifold are 28" and 40" respectively.



TYPES OF CONTROL AVAILABLE:

The PP series is available with a variety of air-fuel ratio controls. Gas-only modulation, high-low and on-off may be used depending upon the application and burner model selected.

INSTALLATION AND START UP:

The PP package burners are test fired prior to shipment. The burners are designed for ease of installation and maintenance and are supplied with complete installation, operating and maintenance manuals. Parts and service are available worldwide through Pyronics' international sales force.

GAS SUPPLY:

PP series burners can be supplied for operation on natural gas or LP gases and are available in 12 basic sizes, ranging from nominal thermal capacities of 500,000 Btu/hr to 6,000,000 Btu/hr. All valve assemblies on the burner have been sized to suit an inlet gas pressure of 8" WC (natural gas) or 12" WC (LP gases). Burners can be supplied to suit other gas types and supply pressures.

