



GTS CONTROLS & ENERGY SYSTEMS PVT. LTD.

Combustion Solutions.
Built for Performance.

PREMIX BURNER

PMB SERIES

ENGINEERED FOR EFFICIENT INDUSTRIAL HEATING

The GTS PMB Series Premix Tunnel Burners are engineered for stable combustion and efficient industrial heating. The refractory combustion tunnel ensures excellent flame stability, high heat transfer, and reliable operation. Suitable for Natural Gas, LPG, Propane, and other gaseous fuels.



KEY FEATURES

- ✓ Capacity Range: 15 kW to 100 kW*
- ✓ Fuel: LPG/Propane/Natural Gas / Butane/Other Gases
- ✓ Ignition: Manual or Automatic
- ✓ Max. Operating Temperature: 1200°C (Temperature of the chamber)
- ✓ Reliable pilot ignition with precise pilot flame positioning.
- ✓ Provision for Flame Rod or UV Flame Scanner
- ✓ The extended annular combustion passage minimizes the risk of flashback.
- ✓ Excellent flame stability and combustion efficiency.
- ✓ Low maintenance and long service life
- ✓ Compact, robust and easy to install



HIGH HEAT
PENETRATION



EXCELLENT
FLAME STABILITY



LOW POLLUTANT
EMISSION



EASY
MAINTENANCE



APPLICATIONS

- Wire Patenting Furnaces
- Heat Treatment Furnaces
- Continuous Process Heating Furnaces



PRODUCT DESCRIPTION

The GTS PMB Series Premix Tunnel Burners are high-performance premix burners engineered for reliable, efficient, and uniform industrial heating. The extended annular combustion passage minimizes the risk of flashback, even at low mixture pressures, while the optimized burner geometry provides excellent flame retention, high heat release, and consistent flame stability.

The burner operates on a premixed air-gas principle and is suitable for Natural Gas, LPG, Propane, Butane, and other compatible gaseous fuels. Designed for easy installation, low maintenance, and long service life.



BURNER PARAMETERS (NATURAL GAS)*

Model	Max. Burner Capacity Range (kW)	Premix Connection Size (Inch)	Connection Type
PMB-15	15	3/4"	Female Threaded
PMB-30	30	1-1/2"	Female Threaded
PMB-50	50	1-1/2"	Female Threaded
PMB-80	80	1-1/2"	Female Threaded
PMB-100	100	2"	Female Threaded

*Based on Natural Gas with Calorific Value of 8600 Kcal/Nm³, operating in stoichiometric ratio at nominal capacity. Results may differ depending on actual site & operating conditions.



MECHANICAL CONSTRUCTION

- Burner Body* : Cast Iron
- Burner Block : High Alumina Refractory
- Insert : Stainless Steel
- Mounting Flange : Carbon Steel
- Ignition System : Ignition Electrode/Pilot Burner
- Peep Sights : Brass

*other options available

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