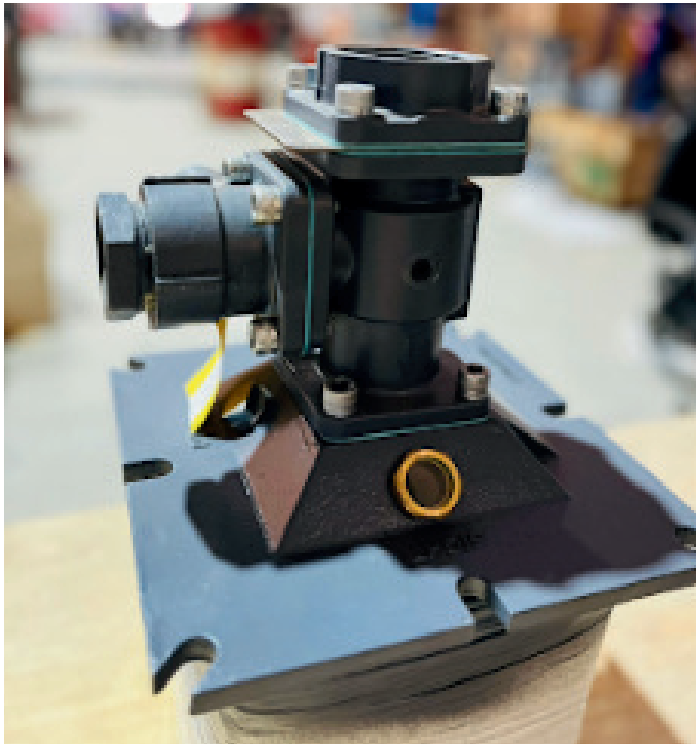


NOZZLE MIX BURNER

The GTS Comtherm Nozzle Mix NMB series burners are the most versatile gas burners. Nozzle Mix Burners are high flame, high capacity burners. Gas and air are mixed only at the point of discharge. The swirling air stream produces a negative vortex at the block mouth. Fuel enters the vortex rapidly, producing intense combustion.

Nozzle Mix Burners work both with cold and pre-heated air allowing for 25 to 30 % saving. Flanged orifice plate meters at convenient point in the air and gas supply lines to the burners to measure flows are recommended.

The unique design of these burners make them suitable for firing a wide range of gases. Such as Blast Furnace Gas (BFG). Producer Gas, Coal Gas, Town Gas, Natural Gas, Propane, LPG and any other manufactured gas.



Typical Applications

- CGL Furnace (Non-Ox/DFE Zone)
- Annealing Furnaces / Patenting Furnaces
- Forging Furnaces
- Melting furnaces for Frits
- Billet reheating furnaces
- Aluminum melting furnaces
- Furnaces for heat treatment
- Incinerators
- Tempering and stress relief furnaces

Technical Feature

- Burner Capacity Range: 30 kW to 1000 kW
- Fuel: LPG/Propane/Natural Gas/ LCV Gases
- Air & Gas Pressure at Burner Inlet: 45 mbar
- Max. Preheated Air Temperature: 450°C
- Low pollutant emission
- High Flow Turn down range
- Separate air and gas inlets, mixing at discharge point, no flashback.

Material Composition

- Burner Body : Cast Iron (**Other Material options available on request**)
- Gas Adjuster (Tuning Valve) : Cast Iron
- Burner Block*: Refractory suitable for 1750°C
- Burner Block Shape: Round / Square
- Flame Retention Nozzle Pipe : SS 304
- Mounting Flange : Carbon Steel
- Orifices : Carbon Steel
- Peep Sights & Pressure Taps: Brass

* Refractory blocks are pre-cured up to 400 °C