

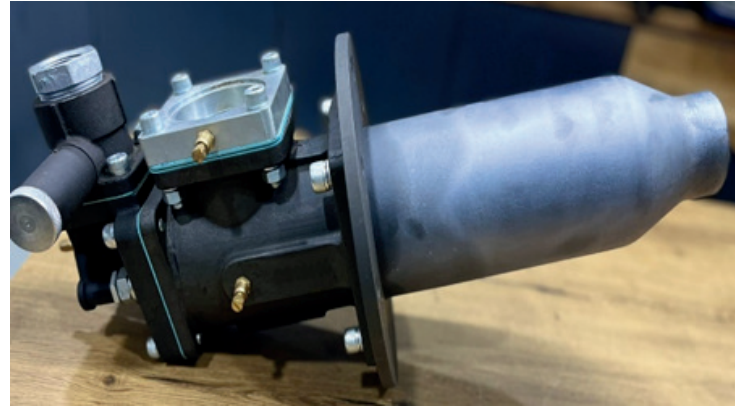
HIGH VELOCITY GAS BURNER



The GTS Comtherm High Velocity (HVB-SIC series) gas burners with Silicon Carbide nozzle is used for direct heating. The shape of the silicon carbide burner tube produces an intense flame that allows high heat penetration and better temperature uniformity inside the combustion chamber, due to the high velocity of the combustion products released.

Typical Applications

- Bogie or Car Bottom furnaces
- Bell Annealing furnaces
- Ceramic Kilns & furnaces
- Continuous Annealing furnaces
- Wire Annealing & Lead Bath furnaces
- All types of Heat Treatment furnaces



Technical Features

- High Velocity Burner suitable for Cold Air and Preheated Air from Central Recuperator
- Burner Capacity Range 30 kW to 1000 kW Higher Capacity Range Available on request
- Direct Spark Ignition/Pilot Burner
- Flame Detection via different options (Flame Electrode / Unirod Electrode / UV Sensor)
- Many Burner Controls options possible (ON/OFF, Pulse Firing / Mass Flow/ ON-Ratio)
- Can operate in stoichiometric, oxidizing or reducing air to fuel gas ratios

Material Composition

- Burner Body : Cast Iron
- Gas Adjuster (Tuning Valve) : Cast Iron
- Burner Flame Tube : Silicon Carbide Tube suitable for temperature 1350 °C
- Diffuser & Combustion Head : High grade heat resistant Stainless Steel
- Mounting Flange : Carbon Steel
- Orifice Body : Carbon Steel
- Orifice Plate : Stainless Steel
- Pressure Taps : Brass
- Peep Sights : Brass

HVB-80

