

High Turn Down / Flexible modular design / Low Emission

ITAS Ductflame F burners are typically used in Hot Gas Generator applications where the upstream process flow is hot and/or contains limited Oxygen, such as Turbine Exhaust Gas. Ductflame F burners are gas controlled only, using the oxygen in the process air flow as combustion air.

ITAS Ductflame burners are of the modular design, offering “endless” combination possibilities to configure burners with capacities ranging from ~100 kW to 30 MW. Ductflame burners and ducts are designed to result in optimum temperature uniformity in the outgoing process air flow. Due to the nozzle mix design emissions are low. Increased turn down by burner staging.

Features:

- Combustion air (O₂) taken from the process air
- Flexible modular design. Gas control only
- All Stainless / Heat resistant Steel construction
- High downstream temperatures
- Increased turn down by burner staging

Technical specification:

- Capacity: 300 to 30.000 kW (l_hv)
- Turn down: 10 : 1
- Control: Gas only
- Fuels: Natural Gas, LPG, Others on request
- Process air: Upstream up to 750 °C (O₂ >11%) /
Downstream up to 1.200 °C

Typical industries and applications:

- Ceramics: Spray driers
- Energy: Combined Heat and Power
- Environmental: Afterburners
- General: High temperature air heating

