

High Turn Down / Low emissions / Reduced combustion air requirement

ITAS Ductflame L burners are typically used in Hot Gas Generator applications where the upstream process flow is (relatively) cold and contains limited Oxygen, such as gas motor Exhaust Gas. Ductflame L burners are gas controlled only, using primary fresh air (approx. 50 % of the total requirement) supplied to the burner by a combustion air fan.

The remainder oxygen is taken from the upstream process gas flow. Ductflame L burners are customer designed for the application

Features:

- Flexible modular design
- All Stainless/Heat resistant Steel construction
- High downstream temperatures
- Gas control only
- Increased turn down by burner staging

Technical specification:

- Capacity: 300 to 30.000 kW (lhv)
- Turn down: 10 : 1
- Fuels: Natural Gas, LPG, Others on request
- Process air: Upstream up to 750 °C (O₂>10%) /
Downstream up to 1.200 °C
- Combustion air: Up to 300°C
- Excess Air level: - 50%

Typical industries and applications:

- Ceramics: Spray dryers
- Environmental: Afterburners
- General: High temperature gas heating

