

## On Ratio control / Low emissions / Short Flame length

ITAS Ductflame R burners are typically used in Hot Gas Generator applications where the recirculation flow composition should be controlled within strict limits. This is achieved by controlling both Gas and Air flow to the burner. Reducing the air flow to the burner increases overall combustion- and system-efficiency.

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 air flow. Due to the nozzle mix design emissions are low.



## Features:

- Air and Gas controlled
- High Turndown. Increased efficiency
- All Stainless/Heat resistant Steel construction
- Controlled oven atmosphere

## Technical specification:

- Capacity: 125 to 30.000 kW (lhv)
- Turn down: 10 : 1
- Control: On Ratio, electronic linked valves
- Fuel: Natural Gas, LPG, Others on request
- Process air: Upstream up to 750 °C (>10%O<sub>2</sub>) / Downstream up to 1.200 °C
- Combustion air: Up to 300 °C

## Typical Industries and applications:

- Food & Feed: Drying ingredients
- Paper Industry: Yankee Hoods
- Cement & Minerals: Drying input material
- Gypsum Industry: Gypsum board drying, Calcination
- General: High temperature air heating