

Recuperated Gas Burner K-RHGB in Ceramic Design



Direct
heating of
industrial furnaces
9 - 160 kW

Recuperated gas burner NOXMAT®K-RHGB

Features

- High-velocity burner with integral recuperator for heat recovery
- Multi-stage combustion
- Recuperator, flame tube with air guidance and combustion chamber made of SiSiC ceramics
- Separate cooling air connection possible
- Compact unit in modular construction
- Waste gas fitting, air and gas supply lines are situated on different levels and can be positioned 90° to each other
- Burner control for automatic burner operation
- Direct flame monitoring via ignition electrode (single-electrode ionization monitoring) or UV probe

Advantages for the system user

- Trouble-free direct ignition as well as instant burning stability
- High technical level as regards functional reliability, energy utilization, emission of harmful substances and sound level
- Large variety of possible waste gas, gas and air connections
- Ease of maintenance thanks to simple construction modules
- Favorable mass-capacity ratio
- Smallest thermal wear and high resistance to aggressive chemicals
- 100 % back absorption of flue gases from the firing chamber possible upon direct heating

Technical data

Burner size K-RHGB		15-G	15	25	40	80	160
Nominal thermal capacity	kW	15	15	25	40	80	160
Minimum thermal capacity	kW	9	9	13	25	40	80
Nominal connected gas pressure	kPa	5	5	5	5	5	5
Nominal connected air pressure	kPa	6	6	10	10	12	12
Weight (basic burner)	kg	14	16	21	28	33	61
Maximum recuperator temperature	°C	1300	1300	1300	1300	1300	1300
Nominal diameter gas connection	DN	15	15	15	15	15	20
Nominal diameter comb. air conn.	DN	20	20	25	40	40	50
Nominal dia. ejector air conn.	DN	25	25	25	40	50	50
Fuel gas	Natural gas, liquid gas, special gas on demand						

Subject to technical changes.

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