

# Recuperated Gas Burner K-RHGB in Ceramic Design



Indirect  
heating of  
industrial furnaces  
9 - 160 kW

# Recuperated gas burner NOXMAT<sup>®</sup>K-RHGB

## Features

- High-velocity burner with integral recuperator for heat recovery
- Multi-stage combustion
- Recuperator, flame tube with air guidance and combustion chamber are 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
- Smallest thermal wear and high resistance to aggressive chemicals
- Higher radiation output capacities with SiSiC radiant tubes in contrast to steel radiant tubes

## 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	8	8	8	8
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 diameter cooling air conn.	DN	20	20	40	40	40	50
Fuel gas	Natural gas, liquid gas, special gas on demand						

Subject to technical changes.

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