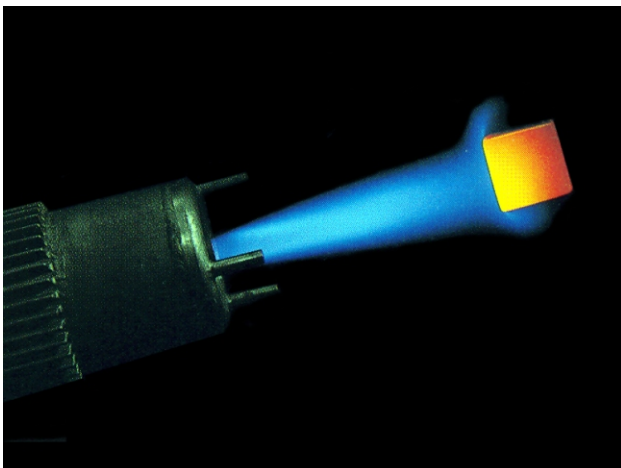


# Rekuperated Gas Burner in Steel Design



NOXMAT<sup>®</sup> RHGB  
7- 160 kW

for direct  
heating of  
industrial furnaces

# NOXMAT<sup>®</sup> RHGB recuperated gas burner

## Features

- High-velocity burner with integral recuperator for heat recovery
- Multi-stage combustion
- 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: up to 1150°C via ignition electrode (single-electrode ionization monitoring), up to 1300°C via UV sensor

## Advantages for the system user

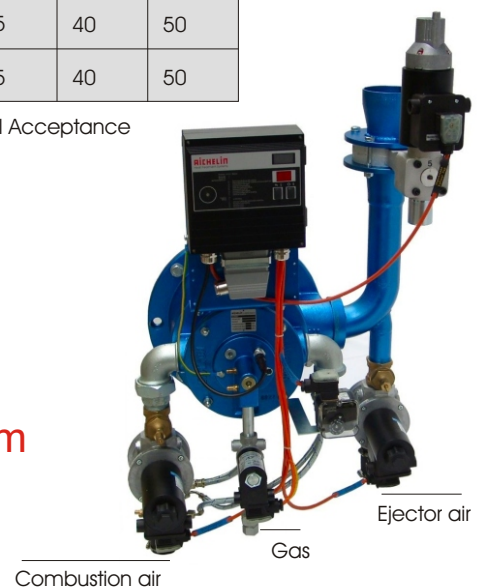
- Trouble-free direct ignition as well as instant burning stability
- High technical level as regards functional reliability, energy utilization, emission of harmful substances and sound level
- Large variety of possible waste gas, gas and air connections
- Ease of maintenance thanks to simple construction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

## Technical data

Burner size RHGB		15	20	25	40	80	160
Nominal capacity	[kW]	15	20	25	40	80	160
Minimum capacity	[kW]	7	10	13	25	40	80
Nominal connected gas pressure	[kPa]	5	5	5	5	5	5
Nom.conn.air pressure(direct heating)	[kPa]	10	10	10	10	12	12
Weight	[kg]	35	35	51	51	76	105
Maximum recuperator temperature	[°C]	1150	1150	1150	1150	1150	1150
Fuel gas	Natural gas, liquid gas, others upon request						
Nominal diameter gas connection	DN	15	15	15	15	15	20
Nominal diameter comb.air conn.	DN	25	25	25	25	40	50
Nom. dia. Cooling-/ejector air conn.	DN	25	25	25	25	40	50

The burners comply with German regulations regarding harmful emissions (Technical Acceptance Specifications - Air 07/2002). Subject to technical changes.

[Http://www.noxmat.de](http://www.noxmat.de)  
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