

High Velocity Gas Burner HGBE



Direct and
indirect
heating of
industrial furnaces
9 - 160 kW

High velocity gas burner NOXMAT[®]-HGBE

Features

- simple, compact unit in modular construction
- air and gas supply connections are situated on different levels and can be positioned 90° to each other
- high exhaust velocity of flame gases for more constant temperature distribution in the furnace chamber
- various lengths of construction (available upon request)
- burner control for automatic operation
- separate cooling-air connection available

Advantages for the system user

- trouble-free ignition via separate ignition chamber
- instant burner stability from the moment of cold start, thus, time and energy savings thanks shortened starting and furnace heating times
- large variety of options to connect gas and air
- simple assembly of burners
- little need for maintenance

Technical data

Burner size HGBE		15	25	50	100	200
Nominal thermal capacity	kW	15	25	50	100	160
Minimal thermal capacity	kW	9	13	25	50	80
Nominal connected gas pressure	kPa	5	5	5	5	5
Nominal connected air pressure	kPa	6	6	6	6	8
Weight (basic burner)	kg	4,5	5	6,5	8,5	14
Maximum temperature flametube	°C	1250	1250	1250	1250	1250
Nominal diameter gas connection	DN	15	15	15	15	20
Nominal diameter comb.air connect.	DN	20	25	40	40	50
Nominal diameter cooling air conn. *	DN	20	40	40	40	50
Fuel gas	Natural gas, liquid gas, special gas on demand					

* Cooling air connection can be implemented additionally.
Subject to technical changes



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