

**NOXMAT**  
Combustion Technology

## Flat Flame Burner NOXMAT<sup>®</sup>-FFB



High-Capacity  
Burner with  
Distinct  
Flat Flame  
for Uniform  
Heat Transfer

**RELIABILITY AT WORK**

# Flat Flame Burner NOXMAT® - FFB

## Application

- Flat flame burners of the type NOXMAT®-FFB are preferably used in energy-intensive high-temperature processes and in industrial furnaces of metallurgy, ceramics and chemical industries
- Flat flame burners can be fitted both in furnace tops and furnace walls
- Ignition and monitoring depend on the operating conditions and are available upon request

## Advantages for the system user

- Special suspension of burner block without use of metallic tie-bolts, thus considerably decreasing the tendency to crack
- No additional orifices in burner block, thus longer lifetime
- On / off or constantly controlled operation mode possible
- Excellent cold-start behavior and instant burning stability
- Low NOx combustion
- Matching with specified combustion-air pressure ratings thanks to flexible mixing system
- Ease of assembly thanks to low mass-capacity ratio

## Technical data, dimensions

FFB burner size		100	200	300
nominal thermal capacity	kW	100	200	300
min. thermal capacity	kW	10	20	30
working range with flat flame	kW	50-100	100-200	150-300
connection pressure gas	kPa	3	3	3
connection pressure air	kPa	3	3	3
weight (basic burner)	kg	35	35	65
max. furnace chamber temperature	°C	1300	1300	1300
max. air temperature	°C	450	450	450
nominal diameter connection gas	DN	20	20	25
nominal diameter connection air	DN	50	50	65
fuel gas	natural gas, special gas upon request			

Bigger dimensions upon request  
Subject to technical changes

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