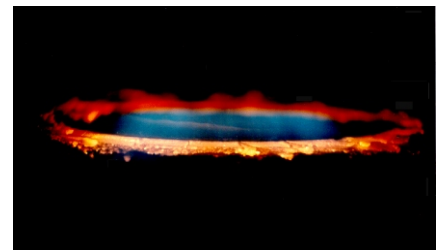


NOXMAT[®]-STB Flat Flame Burner



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

NOXMAT[®] - STB Flat Flame Burner

Application

- Flat flame burners of the type NOXMAT[®]-STB 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

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
- Ignition and monitoring are located centrally in burner axis
- Matching with specified combustion-air pressure ratings thanks to flexible mixing system
- Excellent cold-start behavior and instant burning stability
- Low NOx combustion
- Ease of assembly thanks to low mass-capacity ratio

Technical data, dimensions

STB Burner size		100	200	300
Nominal thermal capacity P	kW	100	200	300
Fuel gas		Natural gas H, L, others upon request		
Connected gas pressure at P	KPa	max. 2,8		
Connected combustion air pressure	kPa	max. 3,0		
Combustion air temperature	°C	max. 500		
Furnace chamber temperature	°C	max. 1400		
Control range	%	10 - 100		
Working range with flat flame	%	50 - 100		
Ignition and flame monitoring		Upon request		
Mode of function		ON OFF Continuous		
Air connection E (* pitch circle diameter)	mm	R2	145*	170*
Gas connection F	Rp	¾	1	1 ½
Burner block diameter B	mm	240	240	320

Higher burner capacities up to 700 kW upon request
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)
[Http://www.aichelinusa.com](http://www.aichelinusa.com)

AICHELIN HTS, Inc.
44170 Plymouth Oaks Blvd.
Plymouth, MI 48170
Phone: (734) 459-9850
Telefax: (734) 459-9851
E-Mail: aichelinusa@aichelinusa.com

AICHELIN Entwicklungszentrum
und Aggregatbau GmbH
P.O.Box 37 * D - 09567 Oederan
Phone: +49 (37292) 65 03-0
Telefax: +49 (37292) 42 07
E-Mail: info@noxmat.de