Burnovate Energy Systems Pvt. Ltd.

STEP Office, IIT Kharagpur
Kahragpur; West Medinipur, West Bengal - 721302

Heat Flux Burner Details

Model	Heat output Range (kW)	Heat flux range (kW/m^2)	Fuel	Injection system	Porous plate thickness (mm)	Perforated hole diameter (mm)
BSHFB1T	1-10	30 – 250 and 30 - 500	• Ammonia • Hydrogen • LPG • Natural Gas • Syngas • Pre-evaporated Liquid fuels	• Direct • Pilot	10 - 25	0.3 - 1
BSHFB2T	5-20					
BSHFB4T	10-40					
BSHFB6T	20-60					
BSHFB8T	30-80					
BSHFB1H	50-100					

Emission standards:

The burner is engineered to operate within modern low-emission requirements, ensuring reduced NOx, CO, and unburnt hydrocarbons through optimized air–fuel mixing and stable swirl combustion. Emission performance complies with applicable CPCB guidelines and aligns with international clean-air standards, depending on fuel quality and operating conditions.

Note: For any custom rage of operating conditions and heat flux, please contact us

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