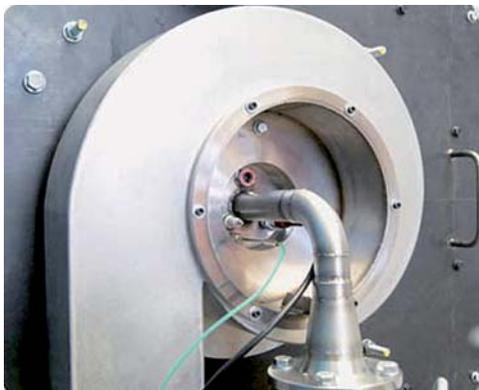


BoilerBurner reduce NOx emissions

The BoilerBurner is an industrial burner for steam or hot water. It has a special design, targeted at reducing emissions as much as possible.



BoilerBurner contributes to sustainability

Reducing emissions is in itself a protective measure for the environment. There is even more effect. As a result of the clean and efficient combustion, actual fuel consumption is reduced too. Avoiding use of fuel is the most sustainable measure possible.

BoilerBurner has a strong back-ground

The principle of the BoilerBurner originates from the combustor of the PowerBurner, where a low-NOx swirl concept is used to hold the flame. The swirling motion results in excellent mixing of fuel and air which prevents NO-formation while stabilizing the flame.

Also for boilers struggling with new legislation

For some boilers, it is technically very difficult to comply to the latest low emission regulations. For instance boilers of the so called reversed flow principle. The swirl principle of the BoilerBurner provides a valuable solution, combining legal compliance with savings on fuel.



Innecs BoilerBurner specifications

Performance	BB01-IN-800	BB01-IN-1200	BB01-IN-2500	BB01-IN-5000	
Burner power (min – max)	133 - 800	200 - 1200	438 - 2625	875 - 5250	kW
Turndown ratio	6				
Certification	NEN-EN 746-2				
Fuel supply					
Type of fuel	Natural gas				
Supply pressure	> 100 (max 300) mbarg				
Gas train	Acc. to NEN-EN 676				
Gas connection	DN65	DN80	DN100	DN100	
Air control					
Fan power	4,0	7,5	20	30	kW
Voltage	3/N/PE AC 400V – 50Hz				
Variable speed drive	Standard				
Control valve	Butterfly type with Siemens SQM48 or SQM33				
Pressure switch	10 – 150 mbar				
Safety and controls					
Burner management system	Siemens LMV3.../LMV5... series				
Flame monitoring	Ion probe ZE-14				
Ignition system	Spark plug ZK-18				
Dimensions and weight (burner only)					
Weight (approx.)	50	50	100	100	kg
Emissions					
Sound level	< 81	< 84	< 87	< 90	dB(A)
NOx	< 70 mg/Nm ³				
Maintenance					
Standard Service interval	Yearly				
Operating conditions					
Ambient temperature	0 ... +40°C				
Air humidity	max. 60% at 40°C				