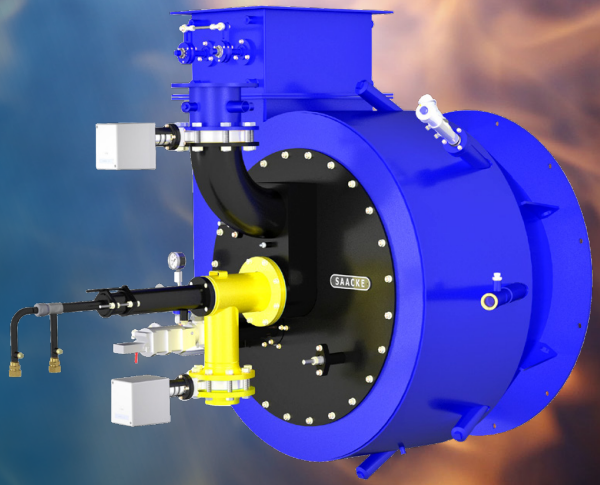
SAACKE

SWIRL BURNER SSB: THE ALL-ROUNDER FOR ALL YOUR REQUIREMENTS.

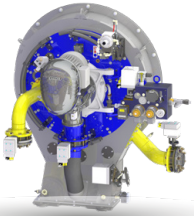
- Incineration of industrial by-products
- Low-emission combustion
- No support fuel required



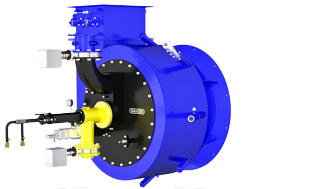
BURNER OVERVIEW.







Burner	TEMINOX	ATONOX	ROTONOX
Burner capacity	3–28 MW	7–100 MW	1–45.3 MW
Fuels	Natural gas, liquefied petroleum gas, hydrogen, extra-light fuel oil, special fuels (biogases, bio-oils etc.)	Natural gas, liquefied petroleum gas, hydrogen, extra-light fuel oil, special fuels (biogases, bio-oils, etc.)	Natural gas, liquefied petroleum gas, hydrogen, extra-light fuel oil, heavy fuel oil, special fuels (biogases, animal fats, special and bio-oils, other alternative liquid and gaseous fuels)
Areas of application	New construction and modernization of industrial plants: Water-tube boilers, thermal fluid heaters, thermal processing plants	New construction and modernization of industrial plants: Water-tube boilers, thermal fluid heaters, thermal processing plants	New construction and modernization of industrial plants: Shell boilers, water-tube boilers, thermal fluid heaters, thermal processing plants, hot gas generators, and combustion chambers



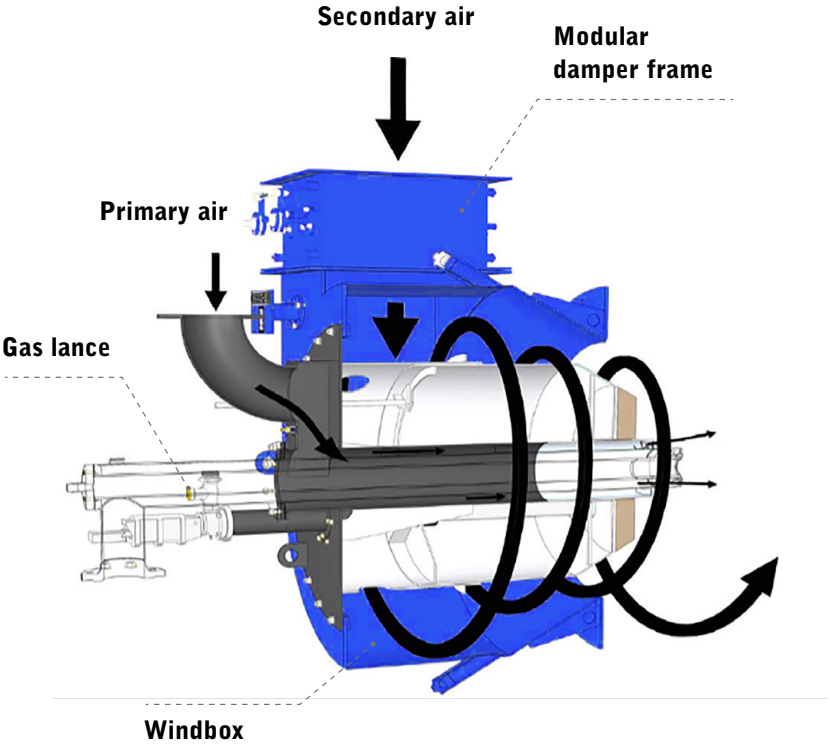
SSB

1.5–90 MW

Natural gas, liquefied petroleum gas, hydrogen, extra-light fuel oil, heavy fuel oil, special fuels (dust, biogases, lean gases, bio-oils, etc.)

New construction and modernization of industrial plants: Shell boilers, water-tube boilers, thermal fluid heaters, thermal processing plants, hot gas generators and combustion chambers, other thermal processes and drying plants, ignition and support firing

Diagram of SSB



SAVE WASTE DISPOSAL COSTS – WITH THE TECHNOLOGY FROM SAACKE.

The SAACKE swirl burner SSB enables the **incineration and low-emission combustion of special fuels** with extremely low heat values without any need for a support fuel. The all-rounder is particularly suitable for producing steam and heat as well as for use in thermal processing and drying plants.

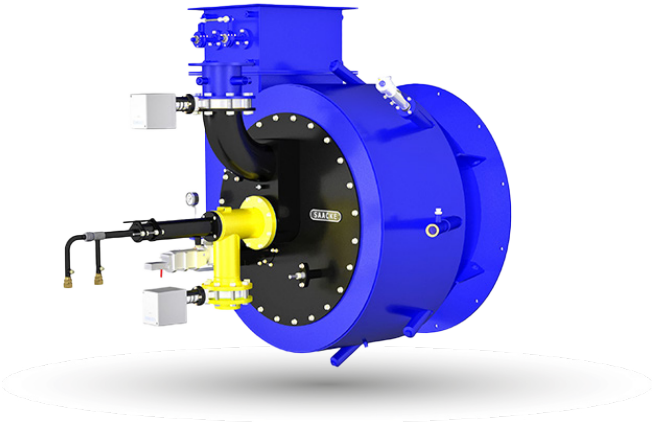
- Reduction of CO_2 emissions and significant contribution to environmental protection.
- Previously unused fuels replace conventional standard fuels such as natural gas and light oil – an added bonus for you in times of unstable heat markets.
- Reliable compliance with emissions requirements in accordance with the best available technology (BAT).

The swirl burner SSB is suitable for both new constructions and modernizations:

- Considerable reduction of the number of start-up and shut-down processes with unnecessary ventilation sequences thanks to large control range.
- Suitability for under- and over-stoichiometric combustion with a large lambda range of 0.3–4.0.
- Flame geometry can be customized to the respective furnace via different burner settings. Particularly stable and short flames possible if required.

Emission values

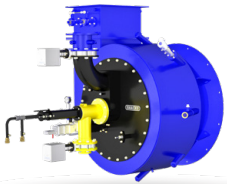
NO_x	
Natural gas	30–50 mg/Nm³
The same emissions can be represented both with H_2 and with other gases.	
Light oil	90–120 mg/Nm³



Operating data

Burner size	Maximum combustion air flow in m³/h (under normal conditions)	Maximum capacity in MW	Control range for gaseous fuels Natural gas for example
20	3,500	3.5	Up to 1:10
50	9,000	9.0	
100	20,000	20.0	
200	40,000	40.0	
300	60,000	60.0	
400	90,000	90.0	

AVAILABLE VERSIONS.







Burner	SSB-GL	SSB-D	SSB-LCG / LCL
Burner capacity	1–90 MW	2–60 MW	1–90 MW
Fuels	Natural gas, liquefied petroleum gas, hydrogen, extra-light fuel oil, heavy fuel oil, special fuels (dust, biogases, lean gases, bio-oils, etc.)	For dusts with a particle size of < 0.5 mm and a heat value of 10–30 MJ/kg	Burns gases with extremely low heat values as of 2.0 MJ/m³ without support fuels as well as liquids with extremely low heat values (5–15 MJ/kg)
Areas of application	Suitable for water-tube boilers, thermal oil heaters, and combustion chambers in all installation positions, ignition and supporting burners	Suitable for hot gas generators and water-tube boilers	Suitable for a wide variety of heat generators

WHAT CHALLENGE DO YOU FACE?

A perfect fit for your industry

- Energy and heat supply
- Chemical industry
- Refineries
- Food industry
- Waste recycling
- Steel and metal processing
- Building materials industry
- Wood processing
- Consumer goods



WE ARE THERE FOR YOU WHERE YOU NEED US.



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