



Advantages

- Highest quality standard by latest state of production engineering, application of ISO 9001 quality management system
- European type approval (EN 267 / 676) , CE certification, international type acceptance
- Lowest emissions which can be further optimised
- Future-proof technology
- Compact plant, no additional equipment required
- High life time of burner and boiler, long service life and availability
- Economical due to reduced energy and fuel costs
- Low investment costs compared to conventional systems
- Low operation costs and maintenance

Pressure atomisers are used in any industrial application with high demands to emission amounts during the combustion of natural gas, light fuel oil (LFO), and special fuels like biogas.

SAACKE TEMINOXTGL pressure atomisers are Ultra Low NOx burners available in duoblock design (i.e. burner and fan are installed at different locations). For more than 15 years, this burner technology has been unique. Lowest NOx emission values are guaranteed due to an optimal aligned system consisting of burner, fuels and reaction chamber. The TEMINOX product line contains light fuel oil burners, gas burners and dual-fuel burners for light fuel oil and gas.

By using the TEMINOX system, you may achieve extremely low emissions without an external recirculation plant requiring additional cost-intensive equipment. This system has now been tried and tested in more than 300 burner plants. This completely new integrated firing technology is the result of long-time intensive development work that has been carried out by SAACKE in close cooperation with well-known scientific institutes.

Capacity range	0.65 - 11.5 MW
Fuels	Light fuel oil TEMINOX TL Gas TEMINOX TG
Application fields	Light fuel oil / gas TEMINOX TGL Flame tube boilers, boilers designed for generating warm water and steam as well as steam and thermal oil boilers in three-stage design

A special feature of the TEMINOX system is that for the first time burner and furnace have been combined within an industrial application. The system consists of the TEMINOX burner and the TEMINOX reaction chamber where proper combustion takes place. The furnace is part of the system. Due to this optimal alignment of burner and furnace, the TEMINOX system does not depend any longer from heat generator's make and type.



Brennstoff Fuel	Leistung Capacity ca. (MW)	0.65 ▼ 3.9	1.3 ▼ 3.9	0.85 ▼ 5.3	1.54 ▼ 5.3	1 ▼ 6.6	1.9 ▼ 6.6	1.2 ▼ 8.1	22.5 ▼ 8.1	1.4 ▼ 10.4	2.85 ▼ 10.4	1.5 ▼ 11.5	3.08 ▼ 11.5
	Brennertyp Burner type	35		45		55		70		90		100	
Leichtöl Light fuel oil	TL		■		■		■		■		■		■
Gas	TG	■		■		■		■		■		■	
Leichtöl/Gas Light fuel oil/gas	TGL	■	■	■	■	■	■	■	■	■	■	■	■

Equipment

- Duoblock casing, air inlet angle may be selected in increments of 22.5 degrees
- Gas damper and oil flow regulator with linear behaviour
- Gas-electric igniter
- Return pressure atomiser with hydraulic needle shut-off valve
- High capacity fan
- TEMINOX reaction chamber with bearing construction
- Modular gas nozzle system for different fuel gases (even special gases)

