

LRGIB

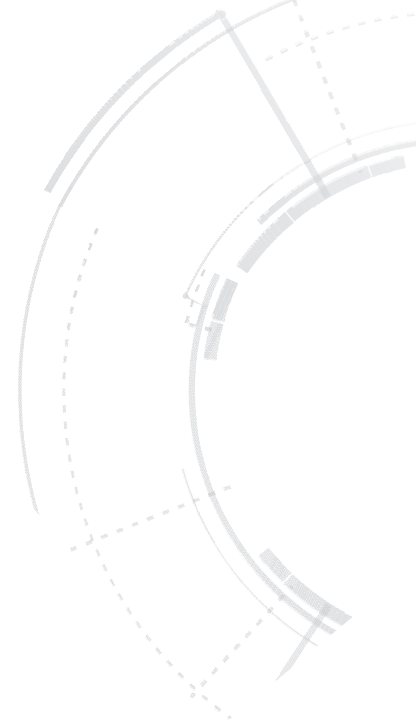
PURE GAS - INJECTOR - BURNER



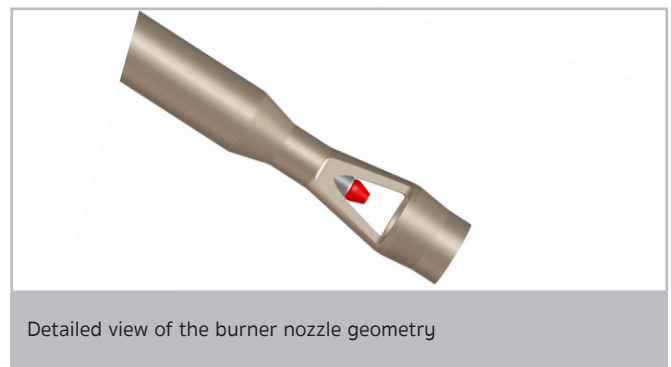
PURE GAS - INJECTOR - BURNER

USE AND FUNCTION

The LINGL pure gas injector burner (LINGL-ReinGas-Injektor-Brenner, LRGIB), developed as a top burner for ceramic kilns, can be used at kiln temperatures > 750 °C. Due to the special geometric shape of the outlet nozzle, hot kiln atmosphere is sucked in as combustion air, intensively mixed with the fuel in the mixing unit and then ignited and burnt. The LRGIB is more energy-efficient than conventional combustion burners because no cold combustion air has to be supplied to the burner. By means of high outlet velocities at the orifice of the fuel nozzle, an additional circulation of the kiln atmosphere is generated and thus a significantly improved temperature distribution is achieved.



LRGIB with movable burner head, inspection hole and optional scavenging air connection



Detailed view of the burner nozzle geometry

TECHNICAL DATA

Heating capacity or heating hole load	40 to 100 kW (depending on gas pressure and setting)
Required heating hole diameter	160 mm
Type of gas	Natural gas / propane gas / mixed gases
Gas pressure	0,9 bar - 1,4 bar (valve-dependent)
Maximum burner outlet velocity	250 bis 300 m/s (depending on gas pressure)
Service life (switching cycles)	up to 500.000.000 switching actuations (valve-dependent)
Maximum switching frequency	up to 800 Imp/min (valve-dependent)
Available valves for cycle operation	230 V, 110 V, 24 V

Are you interested? Our team of experts is at your disposal!