



Pillard LEANGASFLAM™

Low LHV gas burner



Burner operating with very low calorific fuel

- Firing with high stability, without rich fuel support
- A large offer, up to 60MW per burner

- Very low NOx and CO emissions
- Operation with low fuel pressure

FLEXIBLE TECHNOLOGY

Pillard LEANGASFLAM™ is able to fire up to 3 fuels simultaneously and to adapt to different operation conditions from startup with natural gas, then with main fuel (low LHV fuel such as coke oven gas, blast furnace gas, coal tar). In case of lack of natural gas availability, the burner can also run with a back up liquid fuel.

OPTIMIZED SOLUTION

Thanks to the ultimate design of Pillard LEANGASFLAM™, process gas can be fired without rich fuel support, such as natural gas, thus allowing operating costs optimization.

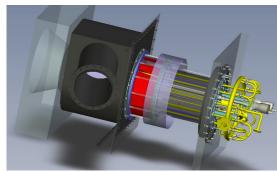
APPLICATIONS

- Steel work plants, or power station burning steel process gas
- Cold and hot furnaces (water tubes, combustion chambers, polluant gas incinerators

COMPLETE, EASY AND SAFE OPERATIONS

- Ability to burn very low LHV gases in cooled furnaces with cold combustion air without sustaining
- High flame stability and adjustable flame shape to suit any furnace dimensions
- Easy maintenance in operation
- Complete and secure installation including burner, valves skids, BMS and air fans
- Low NOx/CO emissions, compliant with European, Chinese and other international standards





Over **50** references of Pillard LEANGASFLAM™ burners worldwide. List available on demand.

Over 30 references of rindra ELANGASI LAW Borners worldwide. List dydilable off definding.	
Key features	
Fuels	Low LHV gas: blast furnace, pyrolysis process, gasifier down to 650kcal/(s)m³ Medium LHV gas: coke oven, mine, process High LHV gas: natural gas, refinery gas Fuel-oil and high viscosity oils
Gas pressures	Low LHV : ≤100daPa Others : ≤ 250daPa (axial gas pipe) ; ≤ 400daPa (gas spuds and header)
Combustion air	Any temperatures / pressure ≤ 200daPa
Combustion mixture	Low air excess operation (1.5 to 3% O2)
Range	1 to 60MW per unit
Turndown ratio	4 to 1 on low LHV gas, or more according to conditions
NOx and CO emissions levels compliant with 2010/75/CE regulation	NOx < 100mg/Nm3 @ 3%O2 dry CO < 100mg/Nm3 @ 3%O2 dry

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