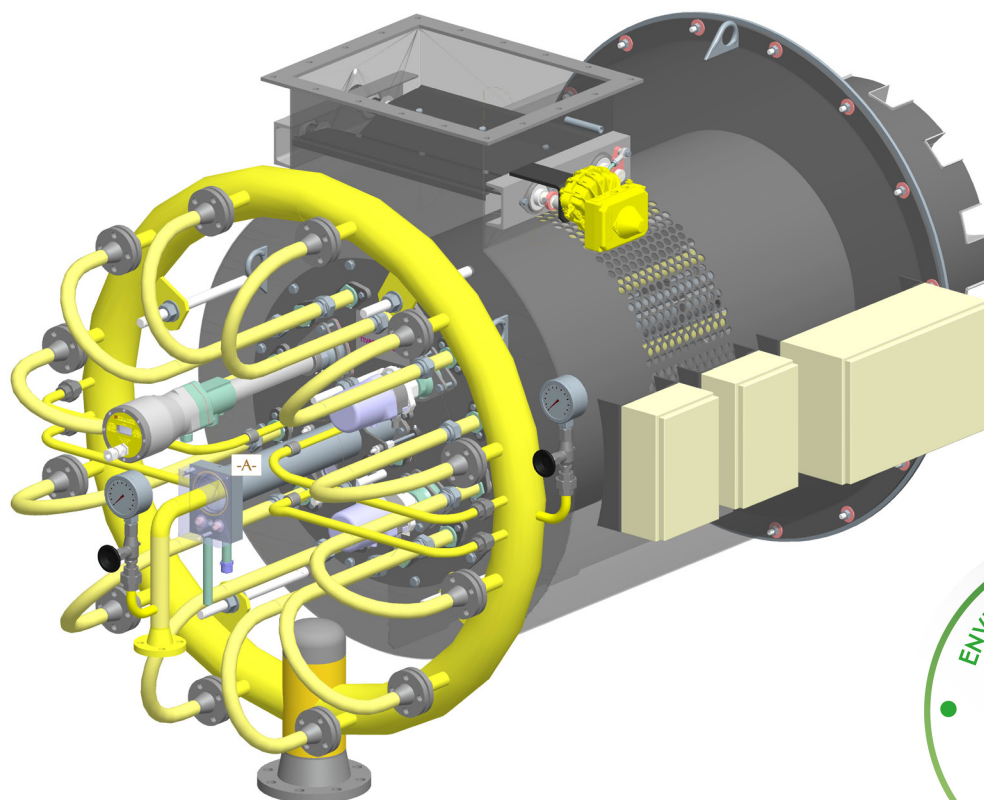


# Pillard LONO<sub>x</sub>FLAM<sup>®</sup> G2

## Gas burner, package version



Best Available Technique (to European standards)  
ensuring the lowest NO<sub>x</sub> emissions in gas firing

- Fitted for industrial water tubes boilers (front and tangential firing)
- Very low NO<sub>x</sub> and CO emissions (2010/75/UE Compliant in NG and DO firing)
- Supplied with individual air windbox and damper

- High thermal efficiency whilst in operation (very low excess air)
- All type of fuels fired : liquids (DO,HFO) and gaseous : NG, biogas, hydrogen, process gases

# The Pillard LONoxFLAM® G2 burner is Fives's latest generation of GRC burner



The Pillard LONoxFLAM® G2 burner has very low NOx properties for fuel gas.

The patented Pillard LONoxFLAM® burner's technology, which is described as a Best Available Technique (BAT) in the 2006 and 2017 BREF Edition (BAT Reference Document in Large Combustion Plants published by the European Commission) enables a reduction of 50 to 75% of NOx emissions and to meet less than 30 ppm at 3.0% O<sub>2</sub> dry.

The burner's swirl and impulse are set according to the choice of combustion head which allows the flame shape to fit any furnace whilst maintaining a stable flame and a very low excess air.

No refractory quarl is needed, reducing investment and maintenance costs.

## Key features

Fuels	Natural Gas, LPG, biogas, refinery gas, syngas, process gas up to 80% H <sub>2</sub> , CO, diesel oil, heavy fuel oil
Combustion air temperature	Up to 400°C
Burner pressure drop	150 to 250 DaPa
Gas pressure	1 to 2 barg ( ≤ 500 mb on demand)
Range of heat release	6 to 120 MW per burner
Turndown ratio	1 to 6 or more (on demand)
Excess air	≤ 10% at MCR

## Main references

Sugar Plants (Tereos, Cristal Union, Saint Louis Sucre)	10 sites in France: 17 boilers, 49 burners 10 to 40MW each
Total Lacq (France)	2x100t/h Steam Boilers fitted with 8+4 burners
COFELY Velizy (France)	3 boilers (1x26.7 + 2x9.8 MW), 3x2 burners
CPCU Paris (France)	Heating plant - 9x170t/h Boilers fitted with 62 burners
Kadaka PowerStations (Estonia)	2x160t/h Boilers (2x3 burners of 40MW each)
Ruien and Awirs Power Stations (Belgium)	2x900t/h Boilers (2x12 burners of 71MW each)
Kwbebast Shanghai (China)	1x70t/h Boiler fitted with 2x25MW burners (NG, H <sub>2</sub> , CO firing)

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