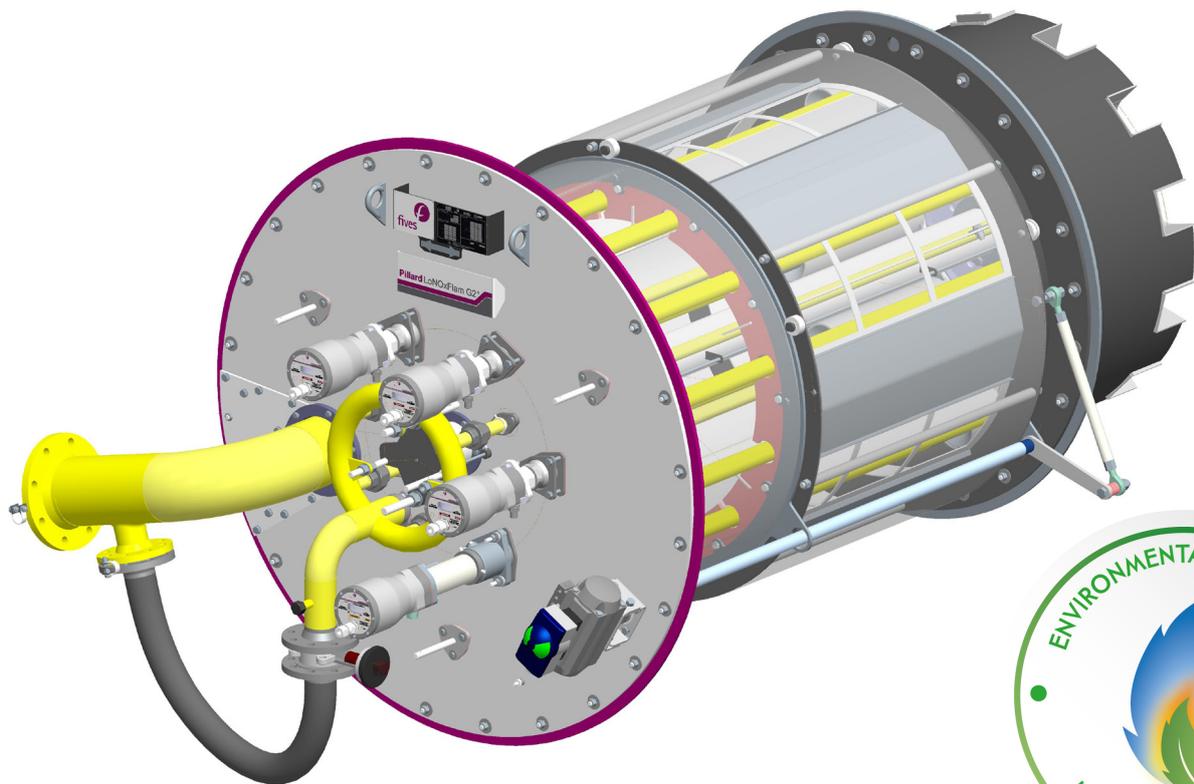


Pillard LONOXFLAM[®] G2

Gas burner, windbox version



Best Available Technique (to European standards)
ensuring the lowest NO_x emissions in gas firing

- Fitted for industrial water tubes boilers (front and tangential firing)
- Very low NO_x and CO emissions (2010/75/UE Compliant in NG and DO firing)
- No refractory quarl needed

- 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 has very low NOx properties with less than 30 ppm at 3.0% O₂ dry, enabling between 50 and 75% NOx emissions reduction in heating plants, sugar plants, utility boilers and refineries.

ULTIMATE AND PROVEN TECHNOLOGY

The patented Pillard LONoxFLAM® technology is based on internal Flue Gas Recirculation (FGR). It is described as the Best Available Technique (BAT) by the European Commission.

EASY TO OPERATE

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.

OPTIMIZED UPTIME RATE

Thanks to its ultimate design including no moving parts, the burner provides a high level of availability, ensuring safe operation and keeping the uptime rate as its best level.

Key features

Fuels	Natural Gas, LPG, biogas, refinery gas, syngas, process gas up to 80% H ₂ , 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 ₂ , CO firing)

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