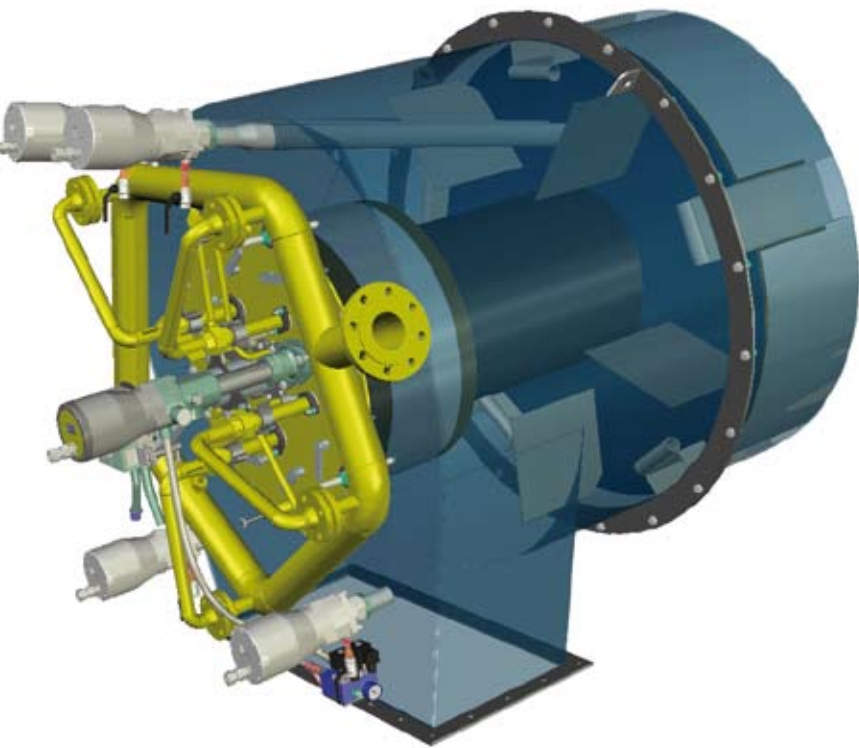


GRC LONOXFLAM® oil & gas burners



For front and tangential firing industrial boilers / power stations
Safe and easy operation with low excess air
Ultra low NO_x and CO emissions
Adaptable flame shape
Simple design
Heat input from 8 MW to 50 MW per burner

→ Internationally recognised as the 'Best Available Technique'
by the European commission (IPPC)

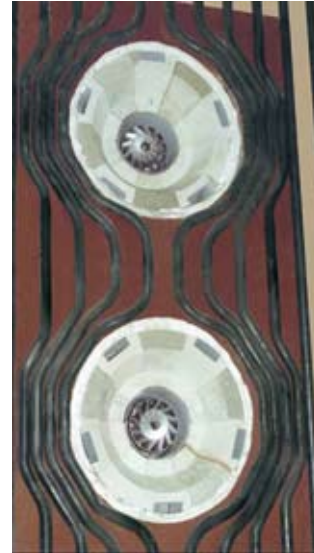


The GRC LONOXFLAM® burner use the following techniques :

- Split-up of fuel-oil flames and fuel gas flames.
- Combustion air staging.
- Autorecirculation of flue gases.
- Secondary air injections right in front of each flame dart.
- Double stage fuel-oil atomisation.

The above new techniques enable reduced flame dimensions, with low emissions of unburnt carbon, CO, and NOx (the latter is reduced by about 50 %). Thus, the existing boilers can be brought into compliance with the European Standards when firing gas (natural, or refinery gas), and heavy fuel-oils.

- Flame dimensions compatible with the existing furnaces.
- Exceptional high flame stability.
- Simple equipment, no external FGR, easy maintenance.
- Burner accessories complying with criteria of maximum reliability :
 - Gas-electric ignitors complying with the NFPA Standards.
 - Flame detectors complying with EC Standards and APAV, EDF approved.



CHARACTERISTICS

Fuels	N°6 Heavy Oil, Light Oil, High Viscosity Oils. Natural Gas, LPG, Refinery Gas, Process Gas.
Combustion air	Up to 400°C. Burner pressure drop 200 to 250 daPa.
Range	8 to 50 MW per unit.
Turndown ratio	5 to 1 or more according to conditions.
Flame dimensions	Similar to standard (non low-NOx type) GRC burners.
Emissions	In compliance with european standards.

SOME REFERENCES

BUCHAREST SOUTH power station (Romania)	2 boilers each with 18 burners of 16 MW each
BRAILA power station (Romania)	2 boilers each with 8 burners of 36 MW each
EDF Porcheville / Cordemais (France)	1 boiler with 24 burners of 70 MW each
CPCU Grenelle (France)	2 boilers each with 2 burners of 50 MW each