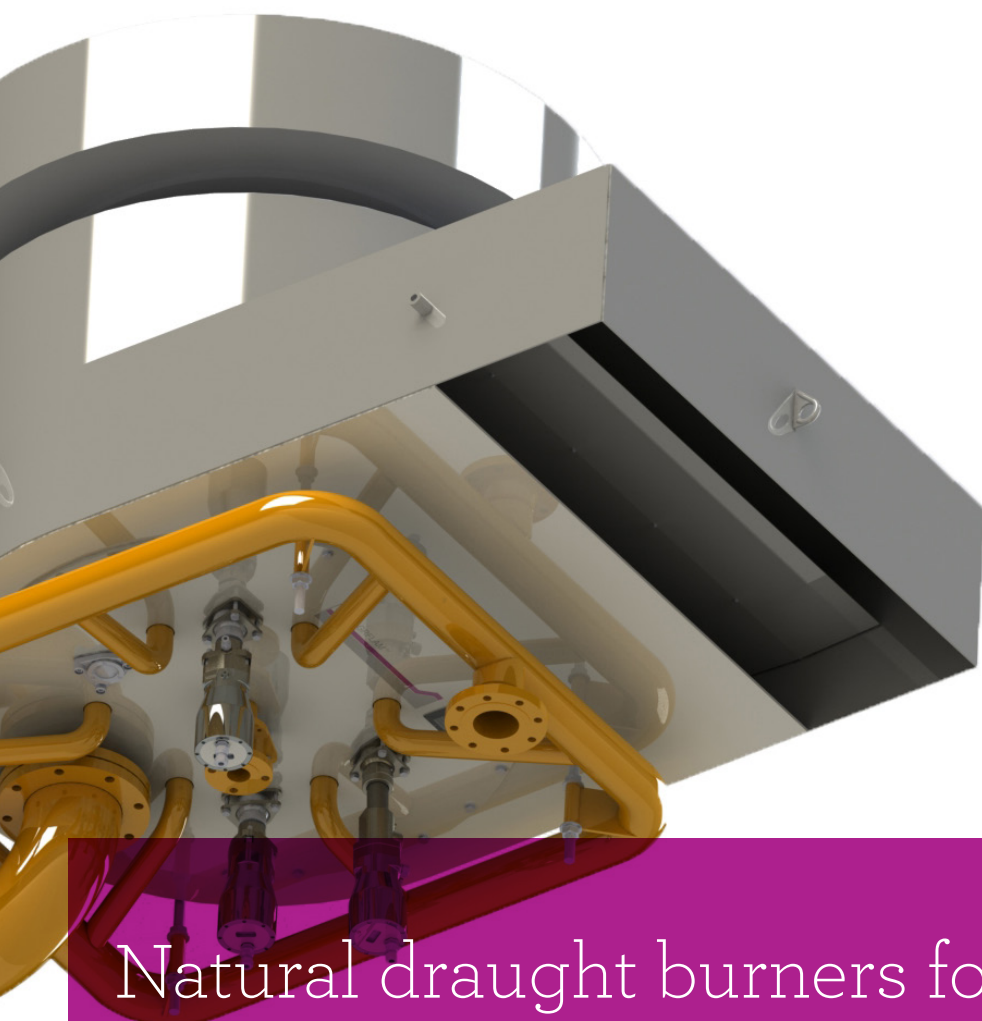


Pillard GRFLAM™ ND

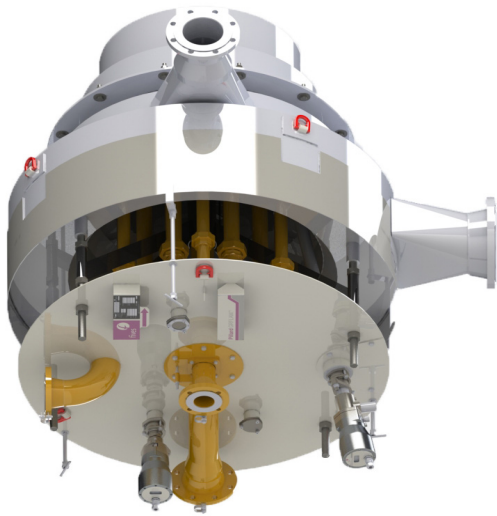


Natural draught burners for refinery & petrochemical furnaces

- Low NO_x and CO emissions
- Highly efficient heat recovery in the furnace (low excess air)
- Compact design for retrofitting concerns in existing plants
- Compact flames
- Wide range of useful fuels : Natural gas, fuel gas heavy fuel oil, COG, vent gas

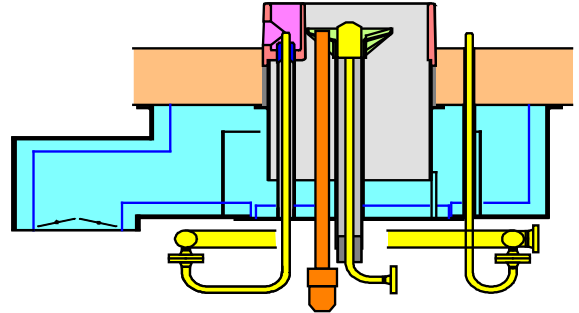
Maximum cost energy savings burner

Pillard GRFLAM™ ND is a natural draft burner which has been designed to operate in refinery, petrochemical and carbochemical furnaces.



STANDARD SUPPLY

- Burner
- Windbox
- Gas lances
- Ignitor
- Flame detector



STANDARD IGNITOR

Pillard Packlight type, Ex II2G EEx d IIC T6



ADVANTAGES

- No need for a refractory quartz
- Very high flame stability
- Minimal maintenance
- Sturdy construction
- Simple to set up and start up
- Specific burner design on demand to fit to particular furnace sizes or to operate with special fuels

STANDARD FLAME DETECTOR

Pillard Packscan, Ex II2G EEx d IIC T6



| Key features | |
|----------------------------------|---|
| Range of heat release | 0,50 to 7 MW (0,4 to 6 Gcal/h) more on request |
| Excess air | ≤ 15% |
| Standard emissions in gas firing | NO _x < 100 mg/Nm ³ 3%O ₂ dry (Low Nox version) CO < 100 mg/Nm ³ 3%O ₂ dry |
| Turn down ratio | 1 to 4 (or more depending on furnace pressure) |
| Gas pressure | 0,5 to 2 bars |
| Fuels | Natural gas, fuels gases: COG, H ₂ ..., HFO, DO |
| Approx flame length | 1 to 4 m |

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CONTACT

fpi.sales@fivesgroup.com
T +33 (0)4 91 40 87 64

Fives Pillard
13 rue Raymond Teissère - Marseille, 13008 - France
www.fivesgroup.com



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