Pillard InductFlam™ Ci is the most reliable dual fuel induct burner for HRSG

- Stable flame, easy switch-over, high operation flexibility, low pressure drop
- Low emissions even with latest generation of turbines (low O₂ content)
- Controlled temperature profile thanks to CFD simulation
- Burner load from 10 MW to 250 MW
The Pillard InductFlam™ Ci burner ensures ultimate performances when firing gaseous and liquid fuel oil, in both Fresh Air or Turbine Exhaust Gas mode.

AN EFFICIENT CIRCULAR BURNER HEAD

Thanks to the combination of the best available burner technology and in-house CFD expertise, Fives offers a tailor-made solution to reach each clients’ objectives in terms of combustion efficiency and emissions.

Main benefits are:

- Avoid flame impingement and hot points inside the boiler/duct
- Provide a good temperature profile
- Reduced pressure drop thanks to low TEG velocity across burner
- High operation range suitable for the latest generation of gas turbines with low O₂ content in TEG
- Easy switch-over from gaseous to liquid fuel and vice-versa, high turndown ratio.
- Easy maintenance in operation, thanks to a patented fuel gun removal system
- Long lifetime with sturdy equipment construction: burners / valves skids / BMS / air fans, compliant with NFPA requirements
- Low NOx / CO / dust emissions compliant with international standards.

**Characteristics**

<table>
<thead>
<tr>
<th>Fuels</th>
<th>Diesel, light or heavy oil, tars, high viscosity oils, waste oils. Natural gas, LPG, refinery gas, process gas, syngas.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Combustive mixture</td>
<td>T.E.G. / Fresh air.</td>
</tr>
<tr>
<td>Range</td>
<td>2 to 85MW per burner head, fresh air mode.</td>
</tr>
<tr>
<td>Pressure drop</td>
<td>10 to 30daPa (TEG mode), 20 to 90daPa (Fresh Air mode) depending on specification.</td>
</tr>
<tr>
<td>Combustion head positioning</td>
<td>Unlimited number, lateral side access, horizontally or vertically downwards firing.</td>
</tr>
<tr>
<td>Liquid fuel atomisation</td>
<td>Steam or compressed air assisted, gun change-over whilst operating on gas.</td>
</tr>
<tr>
<td>Gaseous fuel injection</td>
<td>Unconditionally stable flame (patent FR 84/14484)</td>
</tr>
</tbody>
</table>

**Some references**

- **FUJAIRAH 1 (United Arab Emirates)**
  - Pillard InductFlam™ Ci 4 x 250MW

- **PETROBRAZI (Romania)**
  - Pillard InductFlam™ Ci 2 x 60MW

- **FUJAIRAH 2 (United Arab Emirates)**
  - Pillard InductFlam™ Ci 5 x 250MW

Images are for descriptive purpose only, and may be subject to change.