

900 kW steam boiler

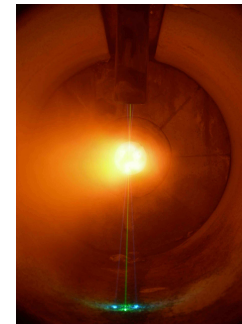


Characteristics :

- Maximum Thermal Input : 900 kW
- $\varnothing = 0,5$ m - Length : 3 m
- Dedicated section to detailed measurements on the roof
- 2 removable doors (front and back)
- Type of fuel : Natural Gas, fuel-oil, coal, H₂, syngas
- Type of oxidant : Air, preheated air (up to 1100 °C), O₂

Main profit :

- complementarity with numerical simulation
- in-flame measurements for providing experimental database
- front, back and top accesses for detailed measurements



LDA probe
(2 components)
inside the
combustion
chamber



The top access allows
measurements all along
the furnace