



Hydrogen firing

CONTRACT REPORT



Customer: PVR Technical

Location: New Jersey

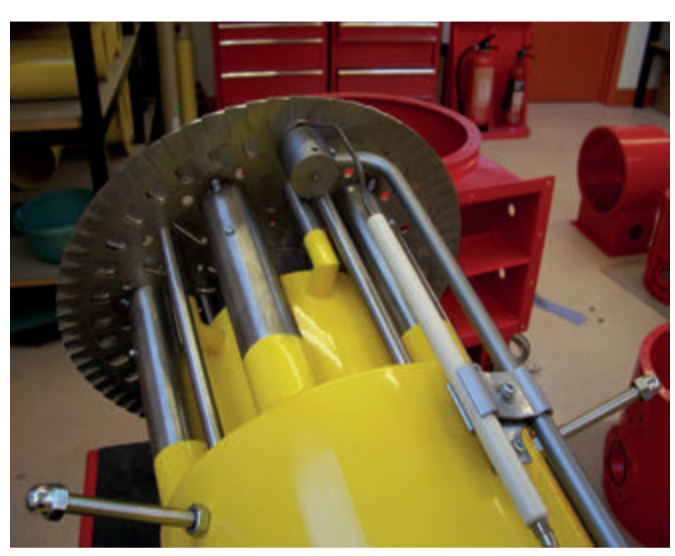
Boiler Type: Fire Tube

Burner Model: LC88

Fuel Fired: Hydrogen and Natural gas



The main objective of the project as to design a system to fire the process Hydrogen which the plant creates during the manufacture process of their products. It was important to utilize this “free” fuel whenever possible, but also to be able to change to natural gas when the process hydrogen was not available.



Limpsfield took on the task and designed a twin inlet gas head to accommodate the different flame pattern and velocities of the two gaseous fuels, which allow for easy and quick fuel change over without any hardware changes

The project has been running successfully for about 10 years.

Hydrogen firing creates a challenge for the burner, gas train and flame sensing equipment as it is 14 times lighter than air, in daylight the flame is invisible and also has a completely different flame speed compared to more common gaseous fuels such as LPG or Natural gas.



For more information on the Limpsfield burner range, please do hesitate to contact us.

Website: www.limpsfield.co.uk
Tel: 00 44 (0)1959 576 633

