



Assembly pastes for easy assembly and dis-assembly of parts. Parts are easily pressed on or in and more importantly, are easily removed without damaging the parts.

Ant-Friction-Coatings to lubricate and protect gaskets, threads, splines and other non-moving parts.



O-ring lubricants for all material combinations on all engine O-rings. Thread lubricants to provide correct torque and ensure loosening without damaging the threads.



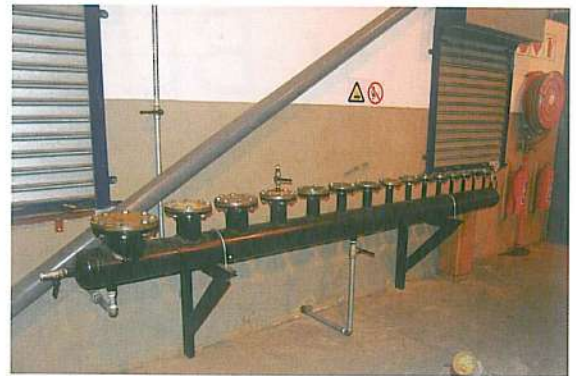
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The in-house test bench

blower head so that the necessary static pressure is maintained for stable combustion and flame geometry throughout the whole burner range," says John. "This burner achieves less than 3% O<sub>2</sub>."

The split gas head can be used on most applications and provides excellent mixing to maintain good combustion throughout the firing range

### Combustion

It comes standard with an auto-flame combustion control unit which constantly controls the burner in relation to what's happening in the boiler in terms of steam demand, creating a very controlled environment. John adds, "As this product is new to the South African market, we've employed an expert in gun-burner and auto-flame applications. Our commitment to this technology, which we expect to catch on quickly, reflects that which made our coal fired boilers firmly established in industry."

Limpsfield offers standard burners with an output ranging from 0.9 MW (3,000,000 Btu/hr) to 31 MW (110,000,000 Btu/hr), firing a wide range of fuels including natural gas, diesel, heavy fuel oil, waste oils, animal fats, fish oil and biogases. Each project is engineered to suit the specific requirements whether it is a single fuel, dual fuel, multi-fuels, change over on the fly between fuels or burning waste stream oils. The burner can also be supplied as a low NO<sub>x</sub> burner for gas and for oils.

### In the mix

"The superior advantage of this system lies in how easy it is to mix fuels within the burner while it's in operation," says John.

"In addition to two 40-tonne boilers on order for a client which will be equipped with these burners, we're currently busy with a project where the client produces their own biogas. This supply is supplemented with purchased natural gas. By programming the auto-flame

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