



# Burner Technical Specification

## LC Burner Series

**Burner Model:** LC 53

**Maximum Rating:** 18,000,000 btu/hr  
5.3 MW/hr

**Fuels:** Natural Gas

**Controls:** Autoflame servos (fuel & air)  
Autoflame UV scanner  
Autoflame 3" (80mm) gas control valve  
Autoflame spillback oil valve  
Burner mounted Autoflame touchscreen Mk 7, Mini Mk 7 or Mini Mk8 Evolution Module

**Gas Head Type:** Split Head

**Turndown:** 6:1 at 3% O<sub>2</sub> or less – up to 10:1

**Construction:** 316 stainless steel blast tube & diffuser  
Mild Steel fabrication and powder coated  
Fully ball raced damper system  
Minimal linkage and direct drive on servo  
Toughened glass flame viewing port  
TIG and MIG welding by coded welders  
Stainless steel damper linkage arms

**Guarentee:** Sub 3% O<sub>2</sub> throughout the burner firing range within the turndown

**Capabilities:** Dual fuel  
Pressure atomising  
Steam / Air atomising  
Burner mounted control pod  
High turndown  
Flue Gas Recirculation for low NOx requirements (gas & oil)  
Induced FGR - <30 ppm NOx on Gas \*  
Forced FGR - <30 ppm NOx on Gas \*  
Multi-fuel firing  
Simultaneous fuel firing  
Waste stream fuels can be burnt  
#2 & #6 Fuel Oil firing  
Bio-Gas firing  
Hydrogen firing (Spider Head gas injection)  
\*with Mesh Head – sub 9-15 ppm



For more information on the Limpsfield Burner range,  
please do not hesitate to contact us.

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