PRODUCT SPECIFICATION CLAUSE

SHW146-410CE ECOSHIELD™ GAS FIRED CONDENSING WATER HEATER

The Water Heater shall be a Lochinvar ECOSHIELD™ MODEL SHW146-410CE circulating type Water Heater with a stainless steel heat exchanger, integral direct storage vessel featuring a 5-year warranty and a high velocity shunt pump. The Water Heater shall be equipped with electronic ignition, ionisation control and a fully modulating burner all controlled by a microprocessor. The stainless steel Alcromesh burner is designed to provide continuous modulation from 100% to 20% by controlling the gas/air ratio, and low emissions of NOx and CO2. Cathodic protection is provided by Magnesium anodes fitted to allow for side access for ease of maintenance.

Specifications shall be as follows:-

- Gross nominal input of 146.5kW (1132kW net)
- Hot water recovery rate of 2436 litres per hour at a 50°C temperature rise
- CE Certified with a Part L2 Gross CV Efficiency of 96.4%
- NOx emissions of no more than 38mg/kWh at 0% O2 according to EN89
- 5 year warranty on direct storage vessel
- Storage vessel clean out door
- Integral temperature control

Ancillaries
- Correx™ Electrical anode system
- Condensate neutralisation kit

Flue Installation
- Concentric balanced flue
- Parallel twin pipe balanced flue
- Conventional flue
- To be advised

ErP Data
- Energy Efficiency – 79%

Energy Label Rating
- N/A

Energy label, Product fiche and ErP Data table are available at www.lochinvar.ltd.uk