

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 NO_x 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%
- NO_x 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