

## **PRODUCT SPECIFICATION CLAUSE**

### **SHW116-410CE ECOSHIELD™ GAS FIRED CONDENSING WATER HEATER**

The **Water Heater** shall be a **Lochinvar ECOSHIELD™ MODEL SHW116-410CE** 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<sub>x</sub> and CO<sub>2</sub>. 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 116.9kW (105.3kW net)
- Hot water recovery rate of 1904 litres per hour at a 50°C temperature rise
- CE Certified with a Part L2 Gross CV Efficiency of 94.6%
- NO<sub>x</sub> emissions of no more than 40mg/kWh at 0% O<sub>2</sub> 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 – 78%

#### Energy Label Rating

- N/A

Product fiche and ErP Data table are available at [www.lochinvar.ltd.uk](http://www.lochinvar.ltd.uk)