

## PRODUCT SPECIFICATION CLAUSE

### **SHW46-325CE ECOSHIELD™ GAS FIRED CONDENSING WATER HEATER**

The **Water Heater** shall be a **Lochinvar ECOSHIELD™ MODEL SHW46-325CE** 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 Alcomesh burner is designed to provide continuous modulation from 100% to 20% by controlling the gas/air ratio, and low emissions of NOx 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 44kW (39.6kW net)
- Hot water recovery rate of 631 litres per hour at a 50°C temperature rise
- CE Certified with a Part L2 Gross CV Efficiency of 93.6%
- NOx emissions of no more than 33mg/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 – 73%

#### Energy Label Rating

- B

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