

PRODUCT SPECIFICATION CLAUSE

CH500GCE GAS FIRED STORAGE WATER HEATER

The **Water Heater** shall be a **Lochinvar CHARGER MODEL CH500GCE**

The **Water Heater** will have a gross nominal input of 102.5kW (92.3kW net) and a recovery of 1334 litres per hour at a 50°C temperature rise.

The **Water Heater** shall be CE Certified and operate at Part L2 Gross CV Efficiency of 76.0%.

The **Water Heater** shall be a floor standing direct gas fired unit, and shall comprise of a stainless steel burner assembly and a vitreous enamel lined steel storage vessel. Custom designed baffles suspended in the multi flue ways shall increase the thermal transfer of the products of combustion by scrubbing the sides of the flue way thereby increasing the amount of heat transferred from the flue gases to the water by means of convection and radiation. A thick polyurethane insulation layer covered in a steel outer casing shall keep heat losses to an absolute minimum.

Sacrificial magnesium anodes shall be fitted as standard to offer protection from corrosion. Correx non sacrificial electrical anode protection can be integrated with the appliance as a factory fitted option.

In-built features shall include flame failure protection, control and safety high limit thermostats and a combustion products spillage safety device all of which shall be incorporated within the control system.

The storage vessel shall have two 100mm clean out access openings.

Charger Water Heaters are suitable for conventional flue installation (B11BS).

7 day/24 hour time clock and external ON/OFF switch for remote enable operation or the interlocking of a fanned flue installation are available from Lochinvar as ancillary options.

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