

TECHNICAL PRODUCT SUBMITTAL



Range

Knight high efficiency gas fired Water Heaters

Nominal Input (net) – kW	16.3
Nominal Input (gross) – kW	18.3
Gas Flow Rate (natural gas) – m ³ /hr	1.7
Nominal Output – kW	14.0
Efficiency (Part L2 Gross CV) – %	76.0
NO _x Emissions (corrected to 0% O ₂) – ppm	63
NO _x Emissions (corrected to 0% O ₂) – mg/kWh	111
Recovery Rate @ 44°C Δt – l/hr	273
Recovery Rate @ 50°C Δt – l/hr	241
Recovery Rate @ 56°C Δt – l/hr	215
Dimensions (height to flue) – mm	1670
Dimensions (diameter) – mm	515
Storage Capacity – litres	181
Weight (empty) – kgs	75
Weight (full) – kgs	256
Weight (shipping) – kgs	81
Hot Water Outlet Connection - inches BSP R (External taper)	¾
Cold Water Inlet Connection - inches BSP R (External taper)	¾
Gas Connection - inches BSP Rp (Internal parallel)	½
Flue Diameter (conventional) – mm	100
CO ₂ Flue Gas – %	8.0 to 10.0
Maximum Flue Gas Temperature – °C	160
Maximum Outlet Temperature – °C	71
Working Pressure Min / Max – bar	0.5 / 8.0

The Lochinvar **Knight** range is a floor standing direct gas fired water heater. The equipment comprises a stainless steel burner assembly and a vitreous enamel lined steel storage vessel. They are suitable for use on Natural Gas or LPG.

The appliance incorporates a specially designed baffle suspended in the flueway which increases the transfer of the products of combustion by scrubbing the sides of the flueway. This maximises the amount of heat transferred from the flue gasses to the water by means of convection and radiation. A thick polyurethane insulation layer covered in a steel outer casing keeps heat losses to an absolute minimum.

Sacrificial magnesium anodes are fitted as standard to offer protection from corrosion. Correx[®] non sacrificial electrical anode protection can be supplied as a kit to be fitted during installation (LV310545), this offers reduced maintenance requirements as the Correx[®] powered anodes do not deplete or need replacing as a matter of routine maintenance.

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

Knight Water Heaters are suitable for conventional flue installation (B_{11BS}).

A de-stratification pump kit and additional storage vessels are available from Lochinvar Limited as ancillary options (refer to separate Ancillary Options List for details).

Full warranty terms and conditions are available at www.lochinvar.ltd.uk

Lochinvar Ltd reserves the right to change specifications without prior notice.

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LG50GCE

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