

PRODUCT SPECIFICATION CLAUSE

IM550 -IMPETUS WALL MOUNTED GAS FIRED INSTANTANEOUS CONDENSING WATER HEATER

The **Water Heater** shall be a **Lochinvar IMPETUS IM550 wall mounted instantaneous condensing gas fired Water Heater** with a 2 pass radiant variable circulation stainless steel heat exchanger, the tubes closest to the burner are built with AISI 316 Ti (Titanium). The Water Heater shall be equipped with electronic ignition, ionisation control and a fully modulating burner all controlled by a microprocessor. The ferroalloy burner produces high efficiency combustion with low NOx levels. The burner provides modulation with a turndown ratio of 1:8.

Specifications shall be as follows:-

- Gross nominal input of 28.3kW (25.5kW net)
- CE Certified with a Part L2 Seasonal Efficiency of 96 %
- NOx emissions of no more than 20mg/kWh at 0% O₂
- Capable of producing 464l/hr continuous at a 50°C temperature rise
- 316 Ti Stainless steel heat exchanger with 2 pass Variable radiant circulation
- Fully modulating burner with 8:1 turndown
- 2 year parts warranty
- 3 year warranty on heat exchanger
- Integral control featuring as standard:
 - Water heater status

Ancillaries (delete as required)

- Condensate neutralisation kit
- Unvented Kit
- Descale application set

Flue Installation (delete as required)

- Concentric balanced flue
- Parallel twin pipe balanced flue
- Conventional flue
- To be advised

In addition to the Part L data above the Water Heater shall have an ErP rating as below:

Water heating energy efficiency – 90%

Energy Label Rating

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Energy label, Product fiche and ErP Data tables are available at www.lochinvar.ltd.uk

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