

K2 Twin Coil Storage Cylinder



K2 Hot Water Storage Tank
Stainless steel twin coil cylinder

K2 Twin Coil Range specifically designed for solar installations

The K2 is available in five cylinder sizes, ranging from 130 litres to 305 litres, so there's a size suitable for every home. For example the 150 litre K2 heater has the capacity to meet the needs of a three-bedroom house allowing for two showers as well as a bath in use every day.

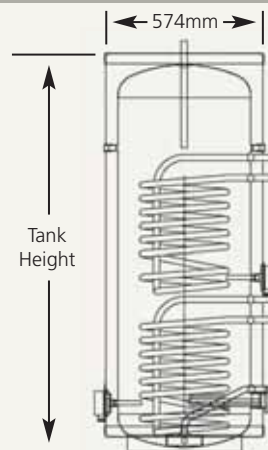
In order to accommodate alternative energy systems, such as solar panels within a domestic unvented water heating system, the K2 range now includes the Twin Coil which is available in both standard and stainless steel finishes and a range of capacities extending from 130 to 305 litres.

The K2 water heater with external expansion comes with a 25-year cylinder guarantee and comprehensive spares and service back-up. Corrosion-resistant stainless steel construction avoids the requirement for sacrificial anodes and ensures a long life, with fewer service call-outs for increased customer peace of mind. BBA approved, the K2 water heaters does not require a header tank, therefore can be sited anywhere on your property, subject to suitable plumbing and water pressure. A minimum of 1.5 bar pressure and 15 litres per minute flow rate is suggested for satisfactory operation.

K2 Twin Coil Range

Capacity	Height mm	Weight Empty kg	Weight Full kg	Coil Rating
130	930	34	189	7 + 7KW
150	1055	37	212	7 + 7KW
215	1455	52	268	14 + 14KW
255	1725	59	315	14 + 14KW
305	2000	69	374	14 + 17.5KW

Dimensions



Safety Control Valves

- Pressure reducing valve 3 bar c/w check valve & strainer
- Expansion relief valve 6 bar
- Pressure & Temperature relief valve 7bar/90°C factory fitted
- 15 x 22mm Tundish with compression fittings
- Indirect model – twin thermostat 30-70°C
- Direct model – immersion heater 60°C

Expansion Vessel

- Complete with wall bracket and tundish
- 12 Litre vessel use with 130 models
- 18 Litre vessel use with 150 models
- 24 Litre vessel use with 215 models
- 60 Litre vessel use with 255, 305 models

Water Requirements

The incoming mains supply should be 1.5 bar pressure at 15 litres/min flow rate.

Connections

- Inlet/Outlet via factory fitted 22mm push-fit elbows
- Primary flow/return via factory fitted 22mm push-fit elbows
- Pressure/Temperature relief valve – 15mm compression fitting

Electrical

In accordance with Excelsior Installation Instructions all unvented installations must comply with local building regulations.

- England & Wales – GU3 building regulations
- Scotland – Technical Standard P3 Northern
- Ireland – Building Regulation P5

Heat Recovery Time

High performance heat exchanger - rapid recovery time 21 minutes for 130 litre cylinder (typical).

Guideline Usages

- 1 bed / 1 shower K2-130
- 2 bed / 1 bath & 1 shower K2-130
- 3 bed / 1 bath & 2 shower K2-150 & K2-215
- 4 bed / 1 bath & 2 shower K2-255
- 4 bed / 1 bath & 3 shower K2-255 & K2-305
- 5 bed / 2 bath & 2 shower K2-305
- Larger domestic dwellings K2-305
- Light commercial properties K2-305

This information is for guidance only

K2 Specification

- Immersion heater – rated @ 3kw, 240volt, single phase, incoloy 825, with thermostat with independent cut-out
- Thermal insulation – CFC/HCFC free, (ODP zero), 45mm fire retardant insulation
- Outer casing – grey plastosol, – Superbrush stainless steel
- Inner cylinder – Duplex 2304L (1.4362 EN10088) stainless steel
- High performance heating coil
- Indirect thermostat - factory fitted twin thermostat with independent reset, 30-70°C
- Safety device – all units factory fitted with 7bar/90°C pressure & temperature relief valve
- Inlet/Outlet factory fitted 22mm push fit elbows
- Primary flow and return connections
- Pressure test – all cylinders tested to 15bar
- Anode – none required
- Approvals – BBA, CE, WRAS and Benchmark
- 5 year guarantee available on all components, see separate installation manual for further details.
- K2 inlet diffuser
- Direct thermostat – element thermostat, nominal setting 60°C
- Cylinder range – 130, 150, 215, 255, 305 litre – actual capacities
- K1 indirect model – fitted with 22mm diameter stainless steel high performance coil and 1 immersion heater
- K2 direct model – 130 ~ 305 litre fitted with either 1 or 2 immersion heaters
- Twin Coil designed for solar and heat pumps