



KWIKOT

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Kwikot Bulk Water Heating Systems

Trusted by Industry Leaders

Everyday



Bulk Hot Water Systems

Industrial Water Heaters from 500L to 30 000L



Features

- Industrial tanks designed to supply large quantities of hot water for use in Hotels, Hospitals, Hostels and Ablutions etc. Supply of chiller tanks for airconditioning units.
- Vessels are manufactured from either mild steel or stainless steel on request.
- Mild steel vessels are coated with Carboguard 545 or Glass Flake epoxy on request.
- Vessels are available in vertical or horizontal configuration for floor installation.
- Incalloy elements fitted as standard. Element loading is designed for 6 hour recovery from cold to 60 °C.
- Insulation consists of 50 mm IW24 fibreglass wool clad with 0,6mm galvanised sheet metal or stainless steel cladding on request.
- All vessels are fitted with over-pressure and over-temperature safety valves.
- Vessels are fitted with control and over-temperature thermostats.
- Working pressure up to 400kPa (600kPa available on request).
- Pre-wired, vessel mounted control panels for loadings from 6kW to 84kW (Not limited. Can be customised to specific need).
- Additional electrical accessories including ammeter; volt meter; time and by-pass switches; stepped control and low water cut outs are available on request.
- Flanged connections available on request.

Inline Heaters

KSI6

Inline Water Heater
6kW



Features

- These units are manufactured from mild steel.
- Glass flake epoxy coated.
- Units are insulated with 50mm fibre wool and 0.6mm galvanised cladding or stainless steel cladding on request.
- Element loading to specification but can be manufactured up to 252kW.
- Product is supplied with electrical control, thermostat and safety valve.
- Product can be manufactured to customer specification and include high working pressures, specialised material for non standard dimensions and alternative electrical controls.

Product Specifications

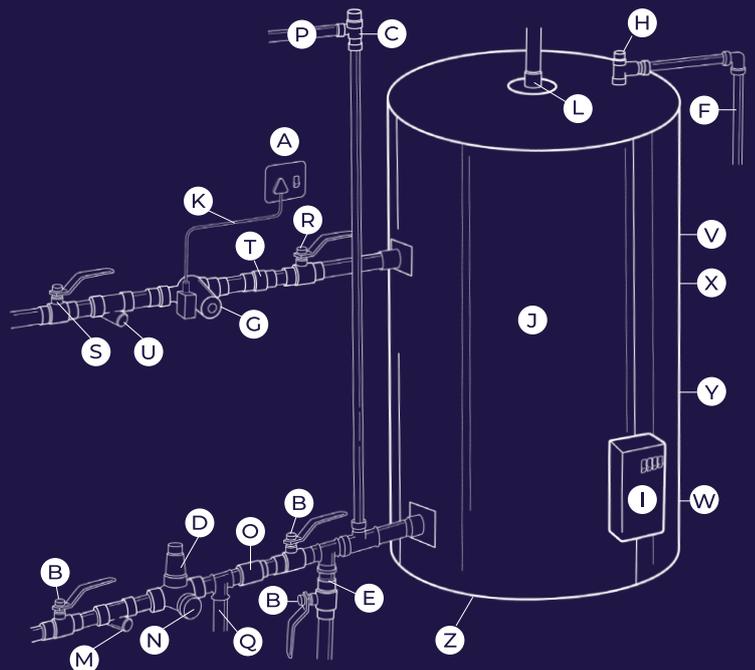
Product Code	Standard Electrical Loading (kW)
KSI 6	6
KSI 9	9
KSI 12	12
KSI 18	18
KSI 24	24
KSI 27	27
KSI 36	36
KSI 48	48

Product Specifications

Product Code	Capacity (L)	Vertical Size (mm)		Standard Connections	Horizontal Size (mm)		Standard Electrical Loading	Mass	Heat Pump Connections
		H	D	(mm)	H	L	kW	(kg)	(mm)
KS 100	500	1864	710	5 x 40	840	2249	6	125	2 x 32
KS 125	600	1660	850	5 x 40	980	1854	6	150	2 x 32
KS 150	700	1918	850	5 x 40	980	2129	9	170	2 x 32
KS 180	800	1427	1020	5 x 50	1150	1645	12	210	2 x 32
KS 200	1 000	1652	1020	5 x 50	1150	1869	12	260	2 x 32
KS 250	1 200	1927	1020	5 x 50	1150	2145	12	280	2 x 32
KS 300	1 400	2223	1020	5 x 50	1150	2444	18	320	2 x 32
KS 350	1 600	2120	1170	5 x 50	1300	2358	18	360	2 x 32
KS 400	1 800	2345	1170	5 x 50	1300	2583	24	400	2 x 32
KS 450	2 000	2545	1170	5 x 50	1300	2783	24	450	2 x 32
KS 500	2 300	2403	1320	5 x 50	1450	2640	24	540	2 x 32
KS 550	2 500	2605	1320	5 x 50	1450	2840	27	600	2 x 32
KS 600	2 700	2706	1320	5 x 50	1450	2940	27	650	2 x 32
KS 650	3 000	2462	1470	5 x 50	1600	2664	36	700	2 x 32
KS 700	3 200	2582	1470	5 x 50	1600	2787	36	760	2 x 32
KS 800	3 600	2862	1470	2 x 50 & 3 x 80	1600	3067	48	820	2 x 32
KS 900	4 000	2941	1550	2 x 50 & 3 x 80	1680	3176	48	880	2 x 32
KS 1000	4 600	3141	1550	2 x 50 & 3 x 80	1680	3478	60	950	2 x 32
KS 1100	5 000	3541	1550	2 x 50 & 3 x 80	1680	3878	60	1200	2 x 32
KS 1300	6 000	3224	1780	2 x 50 & 3 x 80	1960	3435	72	1500	2 x 80
KS 1500	6 800	3624	1780	2 x 50 & 3 x 80	1960	3881	72	1600	2 x 80
KS 2000	10 000	3933	2080	2 x 50 & 3 x 80	2260	4166	84	1800	2 x 80

Installation Specifications

- A. 15 Amp wall socket
- B. Isolating lever-ball valve, 50mm (INDB-50)
- C. 400kpa Kwikot expansion Relief valve, 20mm (KH2-204)
- D. Industrial pressure Reducing valve, 50mm (KHB-500)
- E. Drain connection
- F. Safety overflow pipe (Metallic)
- G. Inline circulating pump, 25mm (IND-CPN-25-6)
- H. Temperature and pressure safety valve (400kpa) (KH1-404CX)
- I. Electrical control panel
- J. Bulk hot water vessel 1 000 Litres (from 500 to 30 000 Litres) (KS200)
- K. Supply cable
- L. Hot water outlet
- M. Y Strainer, 50mm (INDS-50)
- N. Pressure gauge (KH7-000)
- O. Non-return valve, 50mm (INDN-50)
- P. Expansion overflow pipe (Metallic)
- Q. Balanced cold water
- R. Expansion valve stand pipe
- S. Isolation ball valve, 25mm (INDB-25)
- T. Non-return valve, 25mm (INDN-25)
- U. Y-Strainer, 25mm (INDS-25)
- V. Return connection
- W. Cold water inlet or outlet
- X. Heatpump in connection
- Y. Heatpump out connection
- Z. Drain connection



Please note:

- Tanks are not waterproof. They need to be protected from all weather elements.
- Standard connection sizes and quantities may vary on different tank sizes.
- A comprehensive service for the design of hot and cold water reticulation systems for industrial applications can be requested.
- All accessory sizes will vary accordingly to the installation.

Industrial Valves

Industrial adjustable pressure reducing valves

Designed for all industrial bulk water systems.

Product Code	Connection Size	Connection Type
KHN8-150	15 mm	150kPa to 600kPa
KHN8-200	20 mm	150kPa to 600kPa
KHN8-250	25 mm	150kPa to 600kPa
KHN8-320	32 mm	150kPa to 600kPa
KHN8-400	40 mm	150kPa to 600kPa
KHN8-500	50 mm	150kPa to 600kPa
KH8-650	65 mm	150kPa to 600kPa
KH8-800	80 mm	150kPa to 600kPa
KH8-000	100 mm	150kPa to 600kPa

Industrial Expansion Relief Valves

Designed for use in Industrial bulk water systems. Comprises of a cartridge with a built-in flushing mechanism and dry spring operation. The body is manufactured from DZR brass.

Product Code	Connection Size	Connection Type
KH2-200	20mm FI inlet, 25mm FI outlet	300kPa
KH2-204	20mm FI inlet, 25mm FI outlet	400kPa
KH2-206	20mm FI inlet, 25mm FI outlet	600kPa
KH2-250	25mm FI inlet, 32mm FI outlet	300kPa
KH2-254	25mm FI inlet, 32mm FI outlet	400kPa
KH2-256	25mm FI inlet, 32mm FI outlet	600kPa

Industrial Temperature and Pressure Relief Valves

Product code	Connection Size	Connection Type
KH1-403 IND	25 mm FI	300kPa
KH1-404 IND	25 mm FI	400kPa
KH1-406 IND	25 mm FI	600kPa

Product Warranty

Product warranties are determined by the correct installation specification and servicing requirements. Please ensure that tanks are protected from all weather elements. They are not waterproof.

- One year on the electrical control panel, thermostat and safety valve.
- All installation guarantees are the responsibility of the installer.
- The warranty is applicable from date of manufacture and subject to water conditions equivalent to Main metropolitan supply authorities.
- Two years on Carboguard 545 coated tanks.
- Five years on Glass Flake epoxy coated tanks

Estimated Hot Water Consumption

ABLUTION BLOCKS	Per person / per day
Bath	60 litres
Shower	45 litres
Hand basin	5 litres
FLATS	Storage per flat / per day
Bachelor/1 bedroom	100 litres
2 bedroom	150 litres
3 to 4 bedroom	200 litres
CARAVAN PARK	Per caravan / per day
	150 - 250 litres
OLD AGE HOME	Per person / per day
Infirm	60 litres
Normal	110 litres
HOTELS	Per person / per day
1 and 2 star	100 litres
3 and 4 star	125 litres
5 star	150 litres
Residential	100 litres
HOSPITALS	Per person / per day
General	120 litres
Infections	180 litres
Maternity	180 litres
Mental	90 litres
Staff Residential	90 litres
SPORTING FACILITIES	Per person / per day
Baths	80 litres
Showers	60 litres

Installation Accesories

- Circulating pump
- Pressure gauges
- Thermostat
- Dual thermostat
- Spring loaded non return valve
- Lever ball valve
- Y-strainer
- Standard immersion element

All accessory sizes will vary accordingly to the installation.



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