



Twin Coil Domestic Hot Water Cylinder



Features and Benefits

- Designed for heat pump and solar applications
- Large coil to improve heat transfer
- Ease of installation
- Manufactured from Duplex stainless steel EN1.4162
- UK manufactured
- 25 year guarantee for the shell
- Available in Super Duplex EN1.4462 Stainless Steel (as an option) (Shell warranty is 5 years)



Product Description

Kensa has partnered with a [leading cylinder manufacturer \(Advance Appliances\)](#) to design and produce an indirect hot water cylinder designed for use with heat pumps and solar systems.

The cylinder has a coil specifically designed with a larger surface area to provide a better heat transfer from the heat pump into the cylinder. This improves the actual temperature reached by the domestic hot water and the time taken to reach this temperature.

The standard vessels are manufactured from corrosion resistant Duplex stainless steel EN1.4162 which enables an industry leading 25 year guarantee for the shell of the cylinder.

Tanks are available as an extra in Super Duplex EN1.4462 (to special order) which has a higher pitting resistance. Warranty for Super Duplex is currently 5 years.
Tanks installed on private water supplies are sold without a warranty.

As the cylinder contains a second coil it can be installed to allow solar thermal to heat the domestic hot water in the summer with the heat pump taking over during the winter. The cylinder operates equally well solely using the heat pump, providing the possibility of the solar being installed at a later date.

Warning - when a heat pump is used for heating domestic hot water, it may not get the water hot enough to kill the dangerous Legionella that can breed in hot water cylinders. Alternative arrangements may therefore be made to ensure the cylinder is pasteurised regularly. The installer/end user should check if this pasteurisation is required by local regulations, bearing in mind that there are often different rules for installations in rented or commercial properties.

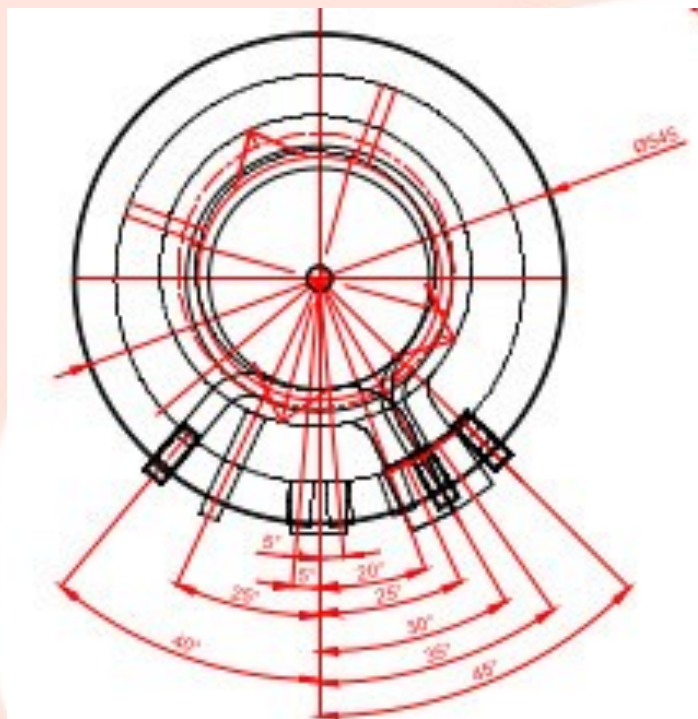
Also supplied: One 3kW immersion heater and G3 kit.

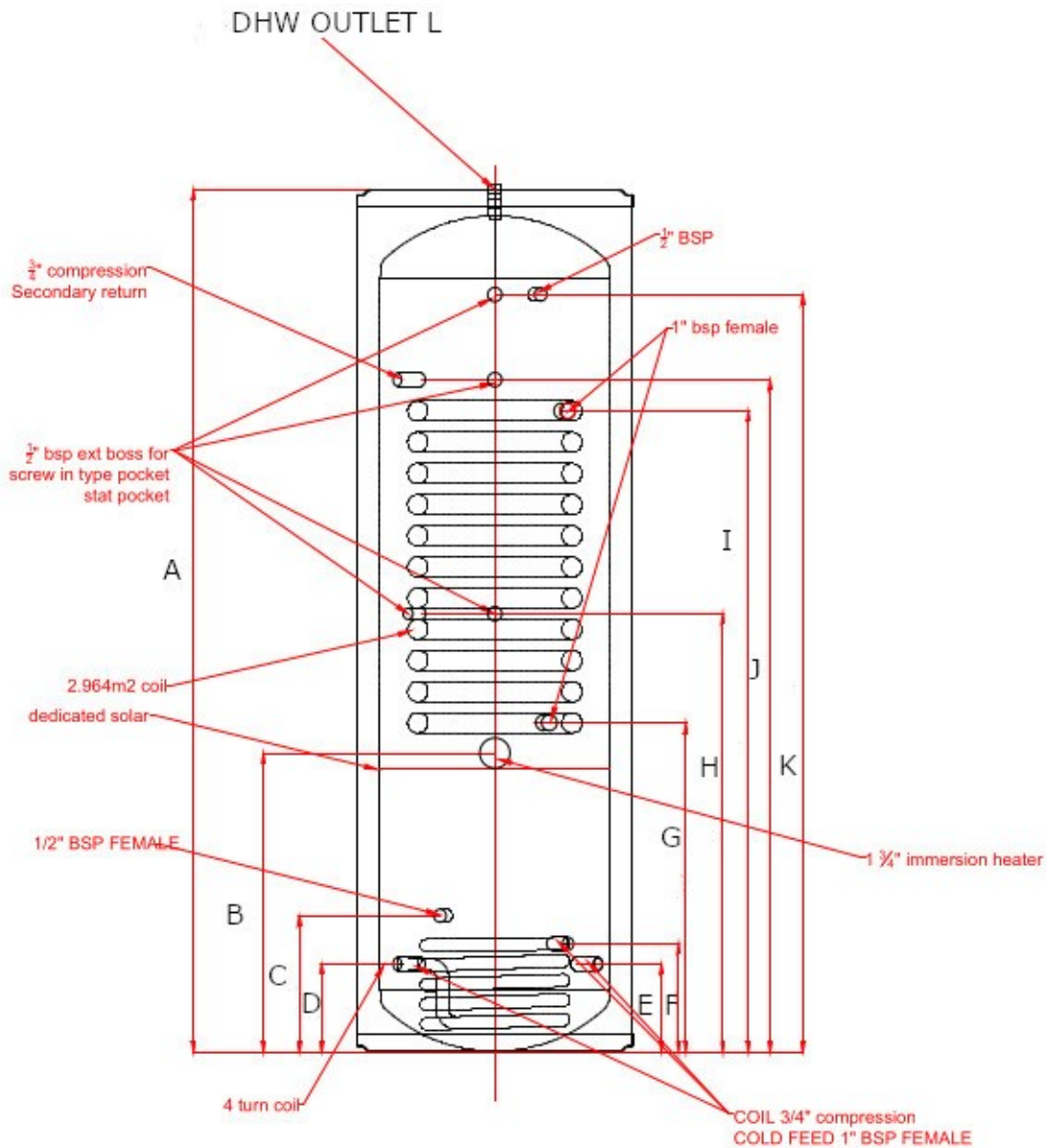


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Kensa Model No.	Volume	Weight Full	Heat Pump Coil	Expansion Vessel	Heat Loss	Heat Pump Coil Size	ErP Rating
	Litres	kg	m ²	Capacity (litres)	W/ hour		
95-181A	200	240	3.0	18	68	DN32	C
95-182A	250	295	3.0	24	71	DN32	C
95-183A	300	350	3.0	24	83	DN32	C
95-184A	400	490	3.0	50	91	DN32	C
95-185A	500	600	3.0	50	96	DN32	C

Material	Duplex Stainless Steel EN1.4162 (Super Duplex EN1.4462 available on request)
Operating Pressure Tank and Coils	3 Bar—95°C
P & T Valve Rating	7 Bar—95°C
Pressure Reducing Valve	Max Pressure 12 Bar/ Control Pressure 3 Bar
Expansion Vessel Charge	3 Bar
Expansion Relief Valve	6 Bar







	Vessel Capacity (L)				
	200	250	300	400	500
Solar Coil m2	1.1	1.1	1.1	1.1	1.1
Solar Connection Size	3/4" Compression	3/4" Compression	3/4" Compression	3/4" Compression	3/4" Compression
Heat Pump Connection size	1" BSP Female	1" BSP Female	1" BSP Female	1" BSP Female	1" BSP Female
Dimension	mm				
A	1390	1702	1924	1525	1899
B	430	590	665	540	914
C	269	269	269	425	415
D	174	174	174	235	235
E	174	174	174	205	205
F	214	214	214	335	335
G	550	650	725	640	1014
H	757	865	940	715	1189
I	960	1265	1340	1105	1479
J	1015	1327	1550	1150	1524
K	1183	1495	1718	1297	1671
L	3/4" Compression	3/4" Compression	3/4" Compression	1" BSP Female	1" BSP Female

Also supplied: Control and high limit thermostat (for the solar coil), one 2 port motorised valve (for the solar coil), one 3kW immersion heater, expansion vessel complete with bracket and flexible hose and tundish. The units meet current Building Regulations, are manufactured in the UK and are guaranteed for 25 years (components 2 years).