

Technical Information Sheet

Twin Coil Domestic Hot Water Cylinder

Features and Benefits

- Designed for Heat Pump and Solar Applications
- Larger Coil to Improve Heat Transfer
- Ease of Installation
- Manufactured from Duplex Stainless Steel
- UK Manufacture
- 25 Year Guarantee for the Shell



Product Description

Kensa has partnered with a leading Domestic Hot Water 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 vessels are manufactured from corrosion resistant Duplex Stainless Steel which enables an industry leading 25 year guarantee for the shell of the cylinder.

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.

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Certificate Number MCS1216
Heat Pumps

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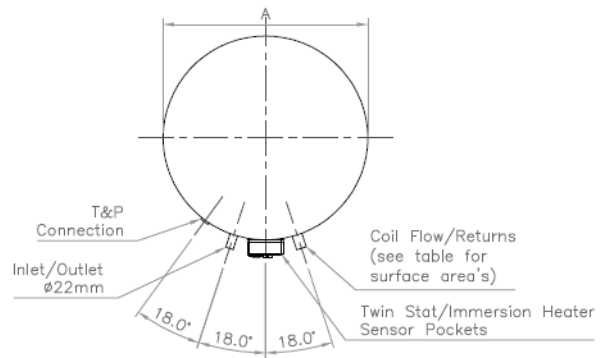
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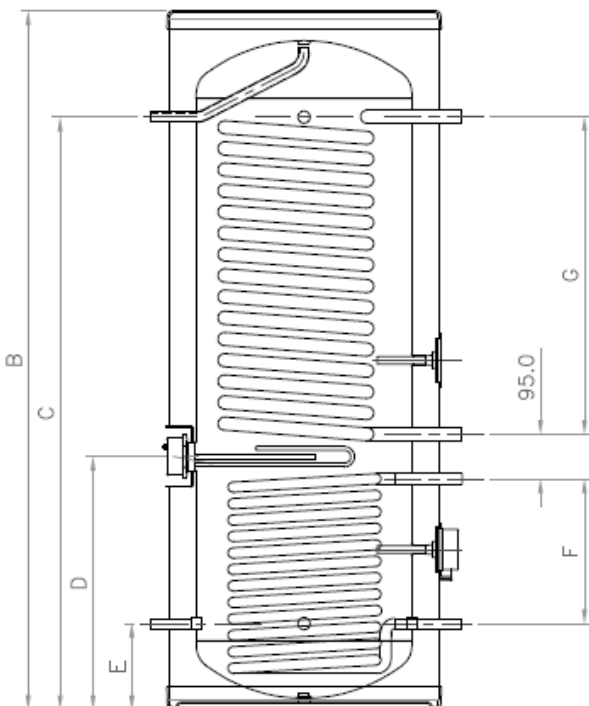
Twin Coil Domestic Hot Water Cylinder

Model	Volume	Weight Full	Heat Pump Coil	Expansion Vessel	Heat Loss
	Litres	kg	m ²	Capacity (litres)	kWh/24hrs @ 50°C
95-080A	215	265	2.0	12	1.70
95-081A	255	315	2.0	12	1.80
95-083A	305	370	2.0	19	1.95
95-084A	305	370	3.0	19	1.95
95-085A	400	500	3.0	35	2.25
95-086A	400	500	4.0	35	2.25
95-087A	500	615	4.0	35	2.60



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 guaranteed for 25 years (components 2 years).

Material	Duplex Stainless Steel
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)				
	215	255	305	400	500
Solar Coil m ²	1.1	1.1	1.1	2.0	2.0
Solar Connection Size	DN20	DN20	DN20	DN25	DN25
Heat Pump Connection Size	DN25	DN25	DN25	DN25	DN25
Dimension	mm				
A	575	575	575	750	575
B	1485	1750	2023	1630	2023
C	1259	1527	1800	1376	1526
D	538	538	538	690	538
E	182.5	182.5	182.5	310	310
F	270	270	270	315	315
G	675	675	675	675	675