

Single Coil Domestic Hot Water Cylinder



Features and Benefits

- Designed for heat pump 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.

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.

The cylinder is designed using the heat pump as the sole heat source and will provide at least 50°C domestic hot water from the cylinder.

The units meet current Building Regulations, are manufactured in the UK and guaranteed for 25 years (components 2 years).

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.

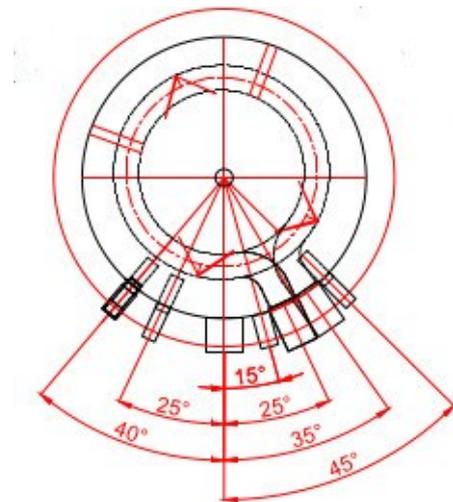
Also supplied: One 3kW immersion heater and G3 kit.



Single Coil Domestic Hot Water Cylinder (DN32 Coil)

Kensa Model No.	95-174A	95-175A	95-176A	95-177A	95-178A	95-179A	95-180A
Volume (l)	120	150	200	250	300	400	500
Expansion Vessel capacity (l)	10	12	18	24	24	50	50
Heat Loss W/ hour	50	55	68	71	83	91	96
ErP Rating	B	B	C	C	C	C	C

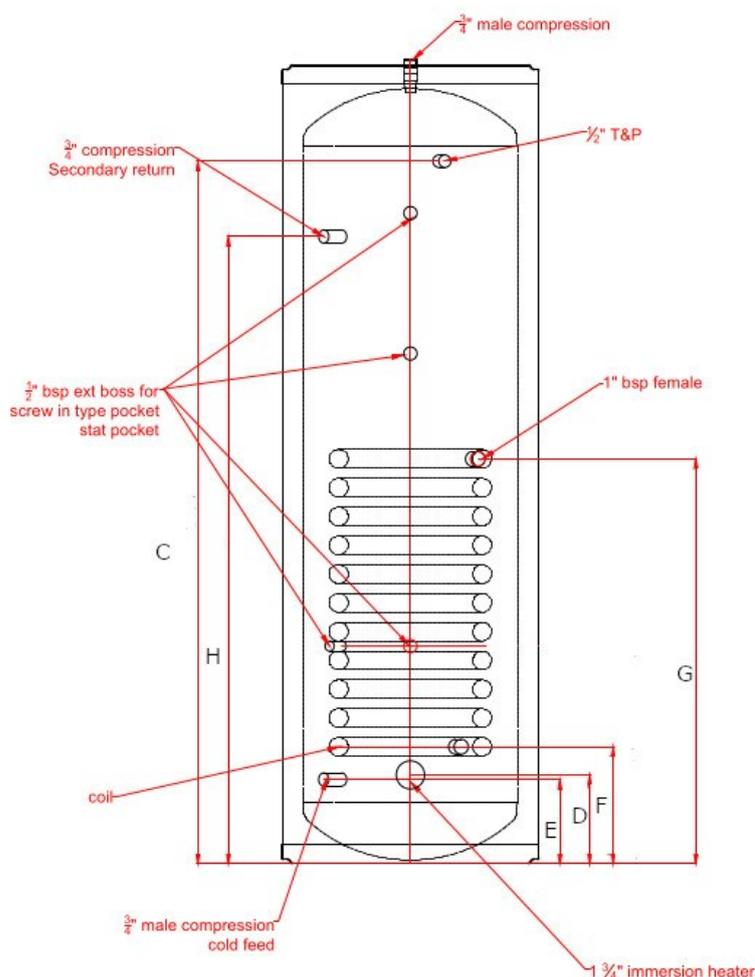
Material	Duplex Stainless Steel EN1.4162 (Super Duplex EN1.4462 available on request)
Operating Pressure Tank and Coils	3 Bar—95°C
P & T Valve Rating	7 Bar—90°C
Pressure Reducing Valve	Max Pressure 12 Bar/ Control Pressure 3 Bar
Safety Relief Valve	6 Bar
Expansion Vessel Charge	3 Bar
Expansion Relief Valve	6 Bar
Flexible Hose for Expansion Vessel	Supplied Loose
Bracket for Expansion Vessel	Supplied Loose
Immersion Heater	13/4—240V-3kW
Tundish	1/2" x 22mm



All Dimensions are nominal and in mm

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	Diameter	Height	C	D	E	F	G	H	Coil Size	Weight Full (kg)
120 (2m ²)	545	688		190	180	250	660	N/A	DN32	140
150 (2m ²)	545	1081	875	190	180	250	660	N/A	DN32	180
200 (3m ²)	545	1399	1189	190	180	250	865	1028	DN32	235
250 (3m ²)	545	1711	1501	190	180	250	865	1340	DN32	290
300 (3m ²)	545	1980	1501	190	180	250	865	1340	DN32	345
400 (3m ²)	700	1525	1297	215 \927	205	315	780	1147	DN32	485
500 (3m ²)	700	1899	1641	215 \927	205	315	780	1491	DN32	595



All Dimensions are nominal and in mm



Preplumbed Cylinders

