

SST 200-2500

Stainless Steel Twin-Coil Cylinders for DHW Applications

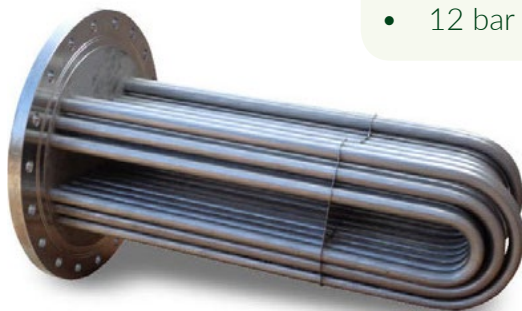
The Advenco range of stainless steel domestic hot water tanks includes models suitable for use as hot water buffers, single coil, or dual coil calorifiers as required for the job.

The SST range of twin-coil cylinders is supplied with a pair of independent internal stainless steel heat exchange coils to serve domestic hot water systems. Each coil can be used with a separate heat source, enabling the effective integration of renewable technologies, or can alternatively be combined to increase the heat transfer capacity from a single source. All vessels can also be fitted with a backup electric heating element to grant a level of redundancy to a system in the event of a heat source failure.

The complete range of tanks are WRAS certified, and are designed and manufactured to the requirements of the Pressure Equipment Directive (97/23/EC) and are tested to the procedure defined in BS EN 12897:2006.

FEATURES

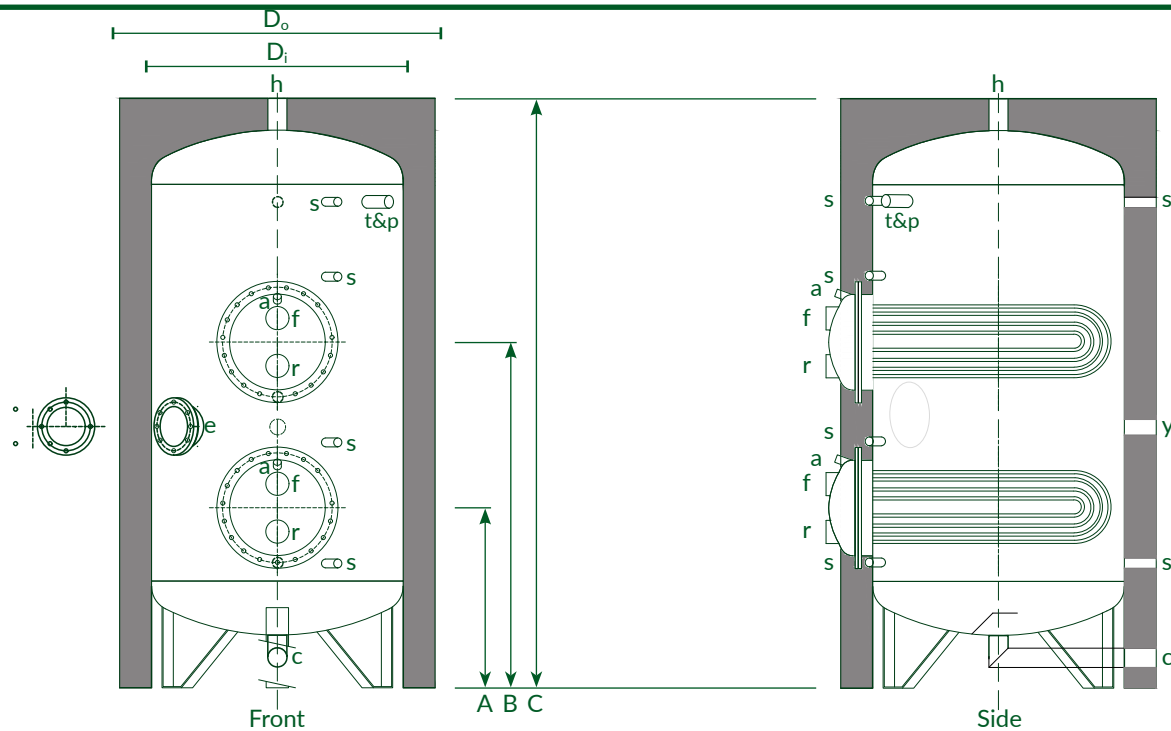
- Available with 200 - 2500 litre capacities
- Produced from high quality stainless steel
- 2 separate internal heat exchange coil
- Renewables ready, or very high capacity indirect system
- 120 mm insulation for improved energy efficiency, of which 100 mm is removable for ease of installation.
- Suitable for vented or unvented installation
- Immersion heaters available from 3 - 36 kW
- 6 bar / 95°C max. working pressure/temp (tank)
- 12 bar / 110°C max. working pressure/temp (coil)



CERTIFICATION MARK

PRACTICAL, EFFICIENT & SUSTAINABLE
BUILDING SERVICES SOLUTIONS





Model	units	SST 200/1.0	SST 300/1.0	SST 500/1.5	SST 800/1.5	SST 800/3.0	SST 1000/5.0	SST 1500/4.0	SST 1500/6.0	SST 2000/4.0	SST 2000/6.0	SST 2500/4.0	SST 2500/6.0	
Volume	L	184	279	470	752	748	918	1399	1387	1975	1963	2508	2496	
D_o	mm	690	740	890	1030	1030	1030	1240	1240	1490	1490	1640	1640	
D_i	mm	450	500	650	790	790	790	1000	1000	1250	1250	1400	1400	
A	mm	420	440	460	570	570	520	600	600	680	680	730	730	
B	mm	860	940	960	1090	1090	1110	1190	1190	1320	1320	1370	1370	
C	mm	1420	1700	1750	1810	1810	2140	2200	2200	2050	2050	2150	2150	
c Cold Inlet	inch	1.25	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.50	2.50	
h Hot Outlet	inch	1.25	1.50	1.50	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.50	2.50	
y Secondary	inch	1.5	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	1.50	
s Sensor	inch	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	
t&p Temperature & Pressure Relief	inch	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	
e Immersion Port	inch, mm	2.25"	2.25"	180	180	180	180	180	180	180	180	180	180	
a Air Relief (Coil)	inch %	%	%	%	%	%	%	%	%	%	%	%	%	
f/r Primary Flow/ Return	inch	1.00	1.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	
Empty mass	kg	133	157	209	254	276	266	403	433	473	503	526	556	
* Please note that when insulation jackets are removed for the purposes of manoeuvring vessel diameters will be $D_i + 40$ mm due to a non-removable insulation under-layer.														
Each Coil	Surface Area	m ²	1.0	1.0	1.5	1.5	3.0	5.0	4.0	6.0	4.0	6.0	4.0	6.0
	Volume	L	3.5	3.5	5.5	5.5	10.0	16.7	13.5	20	13.5	20	13.5	20
	Maximum Pressure	bar	12	12	12	12	12	12	12	12	12	12	12	12
Top Coil (80/60°C)	Nominal Capacity	kW	18	18	27	27	54	90	72	108	72	108	72	108
	Primary Flow Rate	L/s	0.25	0.25	0.38	0.38	0.75	1.25	1.00	1.50	1.00	1.50	1.00	1.50
	Pressure Drop	mbar	3	3	5	5	8	19	10	25	10	25	10	25
	DHW Recovery	L/h	309	309	463	463	927	1544	1236	1853	1236	1853	1236	1853
Bottom Coil (80/60°C)	Nominal Capacity	kW	18	18	27	27	54	90	72	108	72	108	72	108
	Primary Flow Rate	L/s	0.25	0.25	0.38	0.38	0.75	1.25	1.00	1.50	1.00	1.50	1.00	1.50
	Pressure Drop	mbar	3	3	5	5	8	19	10	25	10	25	10	25
	DHW Recovery	L/h	309	309	463	463	927	1544	1236	1853	1236	1853	1236	1853
Combined Coils (80/60°C)	Nominal Capacity	kW	36	36	54	54	108	180	144	216	144	216	144	216
	Primary Flow Rate	L/s	0.50	0.50	0.75	0.75	1.50	2.50	2.00	3.00	2.00	3.00	2.00	3.00
	Pressure Drop	mbar	12	12	20	20	32	75	40	100	40	100	40	100
	DHW Recovery	L/h	618	618	927	927	1853	3089	2471	3707	2471	3707	2471	3707
DHW Peak 1hr Flow	L	717	793	1231	1457	2305	3586	3400	4531	3861	4992	4287	5418	

Ancillaries: All models

Control Thermostat: E0008/0-95C

Overheat Thermostat: E0011

Thermostat Pocket: E0009.2 (2x included with vessel)

Destratification Pump Kit: MB0001

Unvented Kits: Contact Advenco for details

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