

An eco-friendly and secure investment!



CTC AT

Coil tanks and buffer tanks of 300 to 1000 litres.

CTC AT is a series of buffer tanks designed for almost all types of energy sources. They are available in several models and sizes, and can also be combined to fit most heating systems and properties. All tanks are well insulated with polyurethane/mineral wool for the lowest possible energy loss.

CTC AT 1

Coil tanks for efficient DHW heating. They are available in three sizes – 300, 500 and 750 litres – and in no less than five different models. CTC's tanks accumulate the radiator water instead of the domestic hot water, so that the heat pump operates as favorably as possible, and you always have fresh domestic hot water. The domestic hot water is heated via finned coils which are efficiently heated by the radiator water inside the tank.

CTC AT 300/25 has a volume of 300 litres and contains a hot water coil measuring 25 metres. CTC AT 500/25–50 has a volume of 500 litres and contains 1 to 2 coils measuring 25 metres. CTC AT 750/50–75 has a volume of 750 litres and contains 2 to 3 coils measuring 25 metres each.

CTC AT 300 is able to cover the hot water needs of an average-sized house. CTC AT 500 is able to cover the hot water needs of up to 10 apartments

and CTC AT 750 up to 15 apartments. They can also be cascade-connected in situations where the hot water need is greater.

CTC AT 2

Volume tanks for hot water storage. The hot water storage tanks are available in four sizes (300, 500, 750 and 1000 litres) and can be interconnected to achieve the desired storage volume.

A hot water storage tank is necessary for wood boilers in order to store energy, since wood boilers often produce more energy than can be consumed at any given time. The size of the tank depends on the size of the property and the type of wood boiler installed. In most cases, a modern wood boiler requires a storage volume of at least 1500 litres.

CTC AT 500 and 750 are also available in 6 bar versions for systems requiring higher pressure.

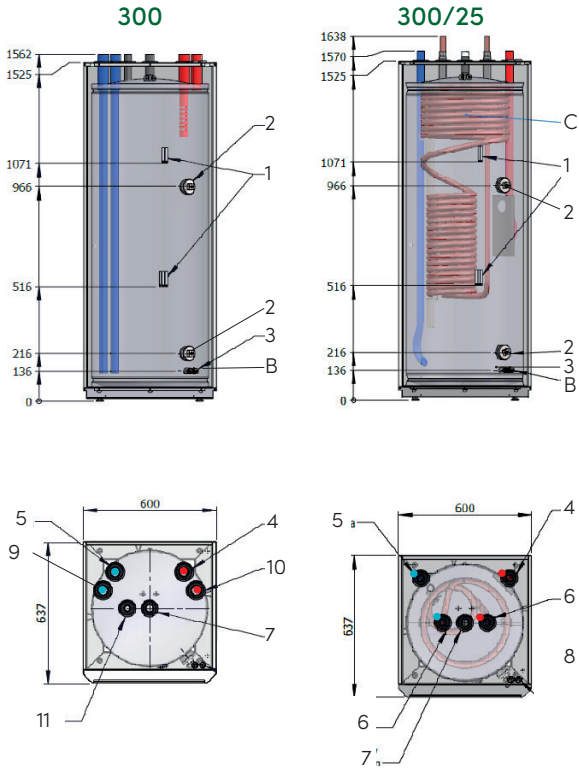


Find a CTC distributor in your country – www.ctc-heating.com



MADE IN SWEDEN

Dimensions diagram

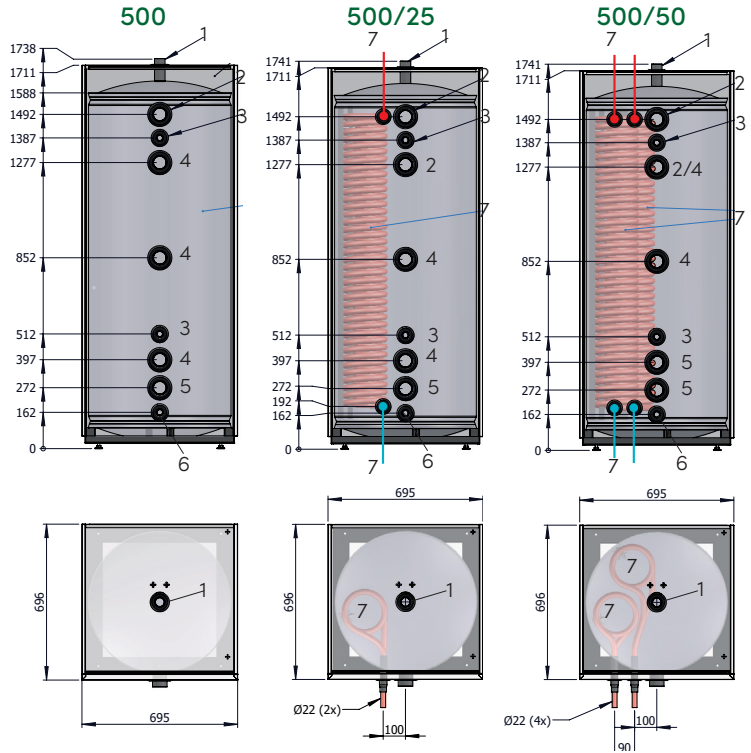


CONNECTIONS:

1. Temperature sensor thermowell Ø 7
2. Immersion heater outlet - DN50
3. Draining - DN15
4. Supply from heat source - DN32
5. Return to heat source - DN32
6. DHW
7. Expansion - DN25
8. Ø 22 Cw/DHW/conn. bivalent mixing valve
9. Return pipe radiator - DN32
10. Riser pipe radiator - DN32
11. Additional connection - DN20

EQUIPMENT

- B. Drain cock
- C. Hot water coil - Ø 22



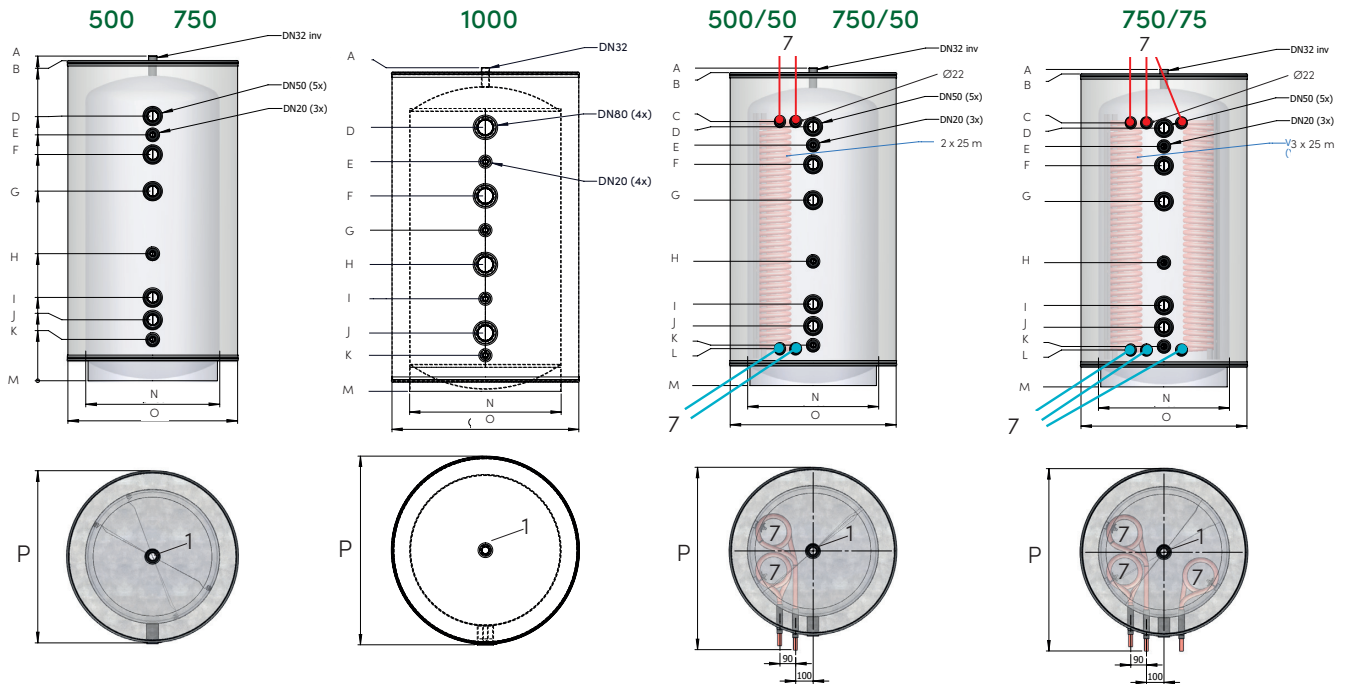
CONNECTIONS:

1. Expansion/Bleeding - DN32
2. Supply from heat source - DN50
3. Thermometer - DN20
4. Immersion heater outlet - DN50
5. Return to heat source - DN50
6. Draining - DN20
7. DHW-coil - Ø 22

Technical data		300 3 bar	300/25 3 bar	500 3 bar	500/25 3 bar	500/50 3 bar
CTC no.		589913001	589912001	588353301	588350301	588349301
Weight	kg	90	117	118	143	168
Dimensions (width x depth x height)	mm	637x600x1562/1638			696x695x1740	
Required ceiling height	mm	1645	1695	1870		
Max. operating pressure (PS) - Heating system	bar	3			3	
Water volume (V) - Heating system	litres	293	287.5	478	472.5	467
Max. operating temperature (TS)	°C	100			100	
Hot water coil quantity/length	qty/m	-	1/ 25	-	1/ 25	2/ 25
Max. operating pressure - DHW system	bar	-	10	-	10	10
Water volume - DHW system	litres	-	5.5	-	5.5	11
DHW performance V ₄₀ - at 10 l/m / 20 l/m	litres	-	280/208	-	513/284	518/370
Energy efficiency class (A ⁺ to F)		C			C	
Insulation		polyurethane (PUR)				
Standing loss (S) (EN12897)	W	84	84	101	101	101

Energy labels and data sheets can be downloaded from www.ctc-heating.com/ecodesign.





	500 - 6 bar	750 - 3 bar	750 - 6 bar	1000 - 3 bar	500/50 - 6 bar	750/50 - 3 bar	750/50 - 6 bar	750/75 - 3 bar	750/75 - 6 bar
A	1772	1810	1817	1888	1772	1810	1817	1810	1817
B	1748	1784	1791	-	1748	1784	1791	1784	1791
C	-	-	-	-	1495	1515	1511	1515	1511
D	1465	1515	1481	1540	1465	1515	1481	1515	1481
E	1360	1410	1376	1340	1360	1410	1376	1410	1376
F	1250	1300	1266	1140	1250	1300	1266	1300	1266
G	905	1015	1061	940	905	1015	1061	1015	1061
H	565	665	711	740	565	665	711	665	711
I	450	420	466	540	450	420	466	420	466
J	325	295	341	340	325	295	341	295	341
K	215	185	231	210	215	185	231	185	231
L	-	-	-	-	195	215	211	215	211
M	0	0	0	0	0	0	0	0	0
N	Ø650	Ø780	Ø750	Ø890	Ø650	Ø780	Ø750	Ø780	Ø750
O	Ø840	Ø960	Ø950	Ø1090	Ø840	Ø960	Ø950	Ø960	Ø950
P	859	980	964	1101	939	1065	1044	1065	1044

1. DN32: Expansion/Bleeding (A)
 7. Ø22: DHW-coil (C/L)

5 x DN50: Supply/Return/Immersion heater outlet (D/F/G/I/J)
 3 x DN20: Draining/Thermometer (E/H/K)

Technical data		500	500/50	750	750/50	750/75	1000
		6 bar	6 bar	3 / 6 bar	3 / 6 bar	3 / 6 bar	3 bar
CTC no.		589903001	589900001	588352301/ 589904001	588348301/ 589901001	588347301/ 589902001	590642301
Weight	kg	118	168	118/139	168/190	193/215	175
Dimensions (Ø x height)	mm	Ø840x1780		Ø960x1820 / Ø950x1820			Ø1090x1910
Required ceiling height	mm	1890		2005 / 2040			2040
Max. operating pressure (PS) - Heating system	bar	6		3 / 6			3
Water volume (V) - Heating system	litres	503	492	721/689	710/678	704.5/672.5	971
Max. operating temperature (TS)	°C	100		100			100
Hot water coil quantity/length	qty/m	-	2/ 25	-	2/ 25	3/ 25	-
Max. operating pressure - DHW system	bar	-	10	-	10		-
Water volume - DHW system	litres	-	11	-	11	16.5	-
DHW performance V ₄₀ - at 10 l/m / 20 l/m	litres	-	518/370	-	480/410	520/450	-
Energy efficiency class (A ⁺ to F)		C		-			-
Insulation		Mineral wool					
Standing loss (S) (EN12897)	W	104	104	127/127	127/127	127/127	138



Hot water storage tanks – overview and accessories

300



Hot Water Storage Tank 1: 300/20

Insulated, 300 litre coil tank with 25 m hot water coil. Outlet for immersion heater 2".
Outer housing: sheet metal. Insulation: PUR

Hot Water Storage Tank 2: 300

Insulated, 300 litre volume tank. Outlet for immersion heater 2".
Outer housing: sheet metal. Insulation: PUR

Hot Water Storage Tank 1: 500/25 - 3 bar

Insulated, 500 litre coil tank with 25 m hot water coil.
Outlet for immersion heater 2". Outer housing: sheet metal. Insulation: PUR

Hot Water Storage Tank 1: 500/50 - 3 bar

Insulated, 500 litre coil tank with 2x25 m hot water coils.
Outlet for immersion heater 2". Outer housing: sheet metal. Insulation: PUR

Hot Water Storage Tank 2: 500 - 3 bar

Insulated, 500 litre volume tank.
Outlet for immersion heater 2". Outer housing: sheet metal. Insulation: PUR

500 - 3 bar



500 - 6 bar



Hot Water Storage Tank 1: 500/50 - 6 bar

Insulated, 500 litre coil tank with 2x25 m hot water coils. Outlet for immersion heater 2".
Outer housing: impact-resistant plastic sheet. Insulation: glass wool.

Hot Water Storage Tank 2: 500 - 6 bar

Insulated, 500 litre volume tank. Outlet for immersion heater 2".
Outer housing: impact-resistant plastic sheet. Insulation: glass wool.

Hot Water Storage Tank 1: 750/50, 3 bar/6 bar

Insulated, 750 litre coil tank with 2x25 m hot water coils. Outlet for immersion heater 2".
Outer housing: impact-resistant plastic sheet. Insulation: glass wool.

Hot Water Storage Tank 1: 750/75, 3 bar/6 bar

Insulated, 500 litre coil tank with 3x25 m hot water coils. Outlet for immersion heater 2".
Outer housing: impact-resistant plastic sheet. Insulation: glass wool.

Hot Water Storage Tank 2: 750, 3 bar/6 bar

Insulated, 750 litre volume tank. Outlet for immersion heater 2".
Outer housing: impact-resistant plastic sheet. Insulation: glass wool.

Hot Water Storage Tank 2: 1000, 3 bar

Insulated, 1000 litre volume tank. Outlet for immersion heater 3".
Outer housing: impact-resistant plastic sheet. Insulation: glass wool.

750-1000



Accessories

		CTC no.:
CTC Immersion Heater 3 kW K7E	For 300. Control box with separate overheating protection. DN50/G2" 400/230V	588810301
CTC Immersion Heater 6 kW K7E	For 300. Control box with separate overheating protection. DN50/G2" 400/230V	588809301
CTC Immersion Heater 9 kW K7E	For 300. Control box with separate overheating protection. DN50/G2" 400V	588808301
CTC Immersion Heater 3 kW K11E	For 500-750. Control box with integrated overheating protection. DN50/G2" 400/230V	588807301
CTC Immersion Heater 6 kW K11E	For 500-750. Control box with integrated overheating protection. DN50/G2" 400/230V	588806301
CTC Immersion Heater 9 kW K11E	For 500-750. Control box with integrated overheating protection. DN50/G2" 400V	588805301
CTC Thermowell 160, bushing 3/4"	For 500-1000. Thermowell with 3/4" bushing for connecting of sensors	588330301
CTC Drainage Valve, 3/4"	For 500-1000. Drainage valve 1/2" with bushing 3/4"	588343301
CTC Thermometer 0-120 °C	For 500-1000. Thermometer with thermowell and 3/4" bushing	588328301

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