



CTC AT

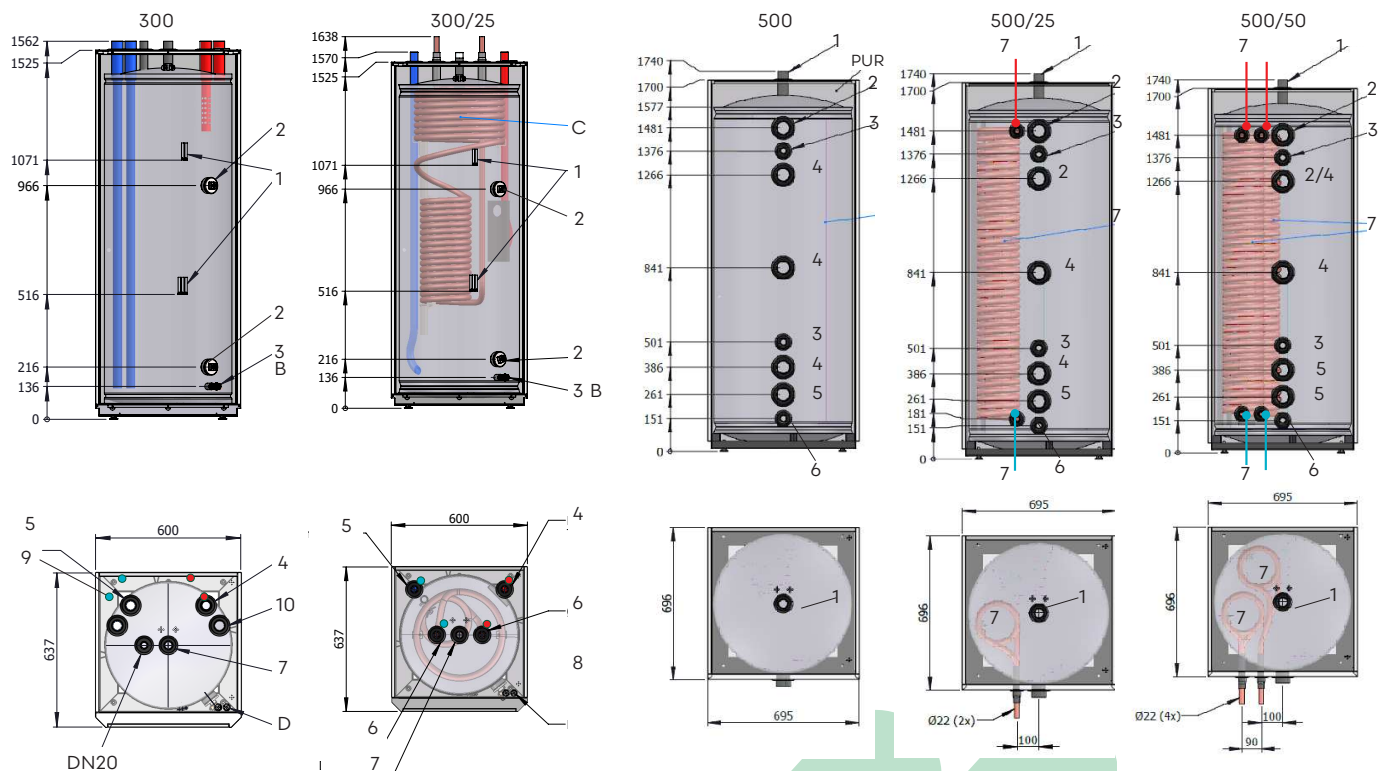
Coil tanks and volume tanks, 3 bar / 6 bar

Sizes: 300, 500, 750 and 1000



- Suitable for most energy sources
- Well insulated for minimal energy loss
- Efficient DHW heating with finned copper coils
- Ensures optimal heat pump operation
- Scalable solution for larger heating demands
- Available in 4 sizes and 14 models

Dimensional drawing



CONNECTIONS:

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

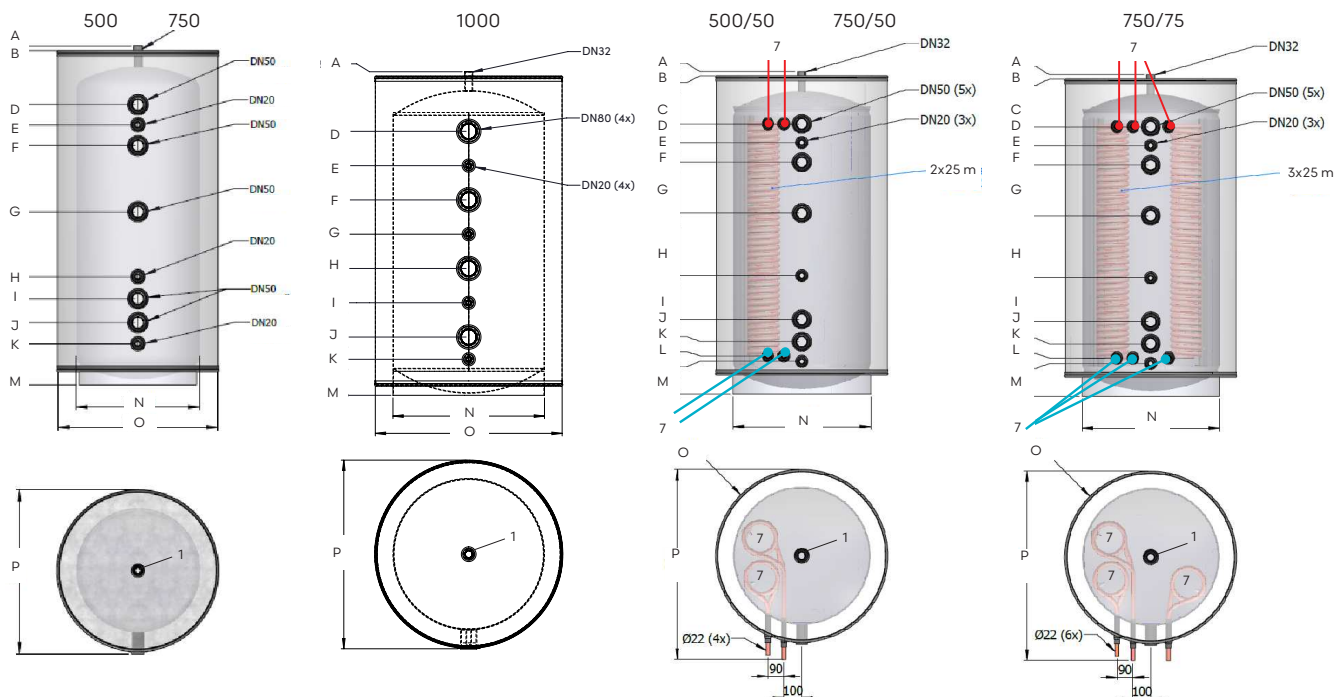
EQUIPMENT

- B. Drain cock
C. Hot water coil - $\varnothing 22$

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 - $\varnothing 22$

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	bar	3		3		
Water volume (V) - Heating	l	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	bar	-	10	-	10	10
Water volume – DHW	l	-	5.5	-	5.5	11
DHW performance V ₄₀ - at 20 l/m	l	-	208	-	284	370
Energy efficiency class (A ⁺ to F)		C		C		
Insulation		polyurethane (PUR)				
Standing loss (S) (EN12897)	W	84	84	101	101	101



	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 6 bar	500/50 6 bar	750 3/6 bar	750/50 3/6 bar	750/75 3/6 bar	1000 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	bar	6		3/6			3
Water volume (V) - Heating	l	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	bar	-	10	-	10		-
Water volume – DHW	l	-	11	-	11	16.5	-
DHW performance V ₄₀ - at 20 l/m	l	-	370	-	410	450	-
Energy efficiency class (A ⁺ to F)		C		-			-
Insulation		Mineralwool					
Standing loss (S) (EN12897)	W	104	104	127/127	127/127	127/127	138



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.

6 bar

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



Accessories

		CTC no.:
CTC Immersion Heater 3 kW K7E	G2" with control unit and separate overheat cut-out L=330	588810301
CTC Immersion Heater 6 kW K7E	G2" with control unit and separate overheat cut-out L=420	588809301
CTC Immersion Heater 9 kW K7E	G2" with control unit and separate overheat cut-out L=420	588808301
CTC Immersion Heater 3 kW K11E	G2" control unit with overheat cut-out L=330	588807301
CTC Immersion Heater 6 kW K11E	G2" control unit with overheat cut-out L=420	588806301
CTC Immersion Heater 9 kW K11E	G2" control unit with overheat cut-out L=420	588805301
CTC Thermowell 160, bushing 3/4"	Sensor pocket with 3/4" threaded bush for sensor connection	588330301
CTC Drainage Valve, 3/4"	Drain valve 1/2" with 3/4" threaded bush	588343301
CTC Thermometer 0-120 °C	Thermometer with sensor pocket and 3/4" threaded bush	588328301

* K7E = 300 K11A = 500-750 (K11A 9kW = 1000)