

Corsun 2

Solar tank / 2 coils
Environmentally-friendly solution
5 models available

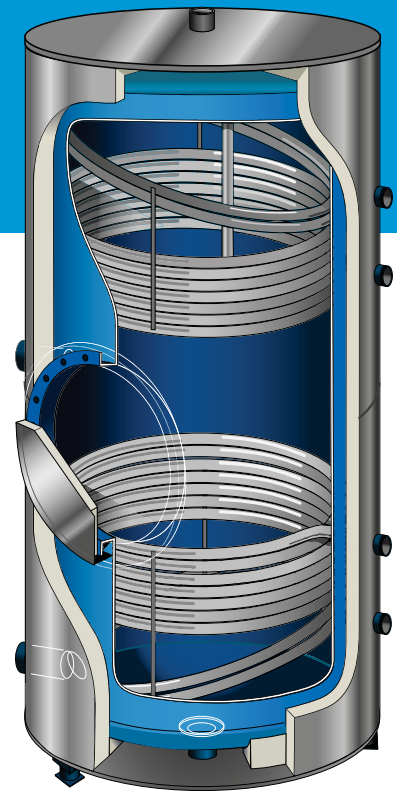


CHARACTERISTICS

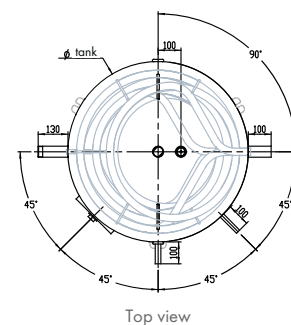
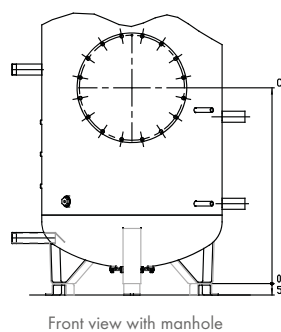
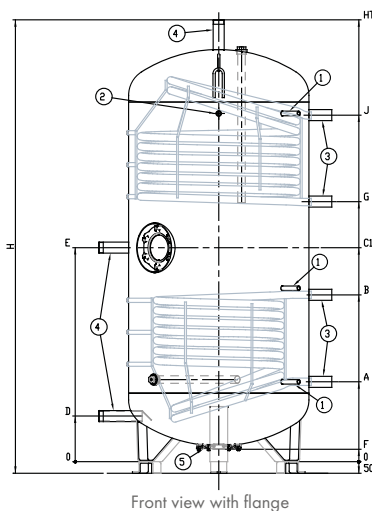
- Enamelled steel tank
- Operating pressure 8 bar
- Steel coils, enamelled
- Heating Element: 2 Coils Exchanger
- Insulation and external jacket: flexible SNC (100 mm high density PU foam and PVC jacket)
- Insulated bottom (below tank)
- Magnesium anode 200 g/m² (supplied unmounted)
- 1/2" connection tap for thermometer
- Thermometer
- 4 connection taps
- 1" 1/4 drain at the bottom of the tank
- 3 blind thermowells (20 mm penetration length inside tank) for temperature sensors
- Ø 112 mm flange or Ø 400 mm manhole, with insulation
- 3 feet (included)
- 50 mm high risers (not for 500 L model)
- 2 hoist rings
- Warranty:
5 years for tank
2 years for parts

OPTIONS

- Inspection manhole



500 L - 2000 L



TANK CHARACTERISTICS

	Corsun 2 models															
	500			750			1000			1500			2000			
REFERENCES	640440			640441			640442			542065			640444			
TECHNICAL CHARACTERISTICS AND PERFORMANCE																
Usable capacity (L)	493			741.8			992.6			1386			2028			
Dimension passageway (mm)	Flange	680			800			800			1015			1265		
	Manhole	-			880			880			1055			1270		
Tilting dimension (mm) ^[1]	1980			1960			2480			2270			2180			
Minimum installation height to put the anode (mm) with risers	2450			2385			2810			2815			2730			
Minimum installation height (mm)	2100			2135			2660			2415			2330			
Empty tank weight (kg)	Flange	142			190			235			347			470		
	Manhole	-			220			265			377			500		
Thermal losses (W/K) ^[2]	Flexible M1 insulation	1.472			1.852			2.250			2.685			3.389		
	Steel TMO insulation	1.311			1.646			1.997			2.381			3.003		
Pressure loss (mBar)	104			128			128			169			128			
Primary flow rate (m ³ /h)	4			4			4			4			3			
Primary temperature (°C)	70	80	90	70	80	90	70	80	90	70	80	90	70	80	90	
Power at 60 °C (kW) ^[3]	29	44	54	36	54	70	36	54	70	46	68	88	53	76	98	
Continuous flow at 60 °C (L/h) ^[3]	504	762	840	618	924	1206	618	924	1206	792	1170	1518	906	1314	1686	
Power at 45 °C (kW) ^[3]	43	56	68	52	67	82	52	67	82	66	85	104	73	93	113	
Continuous flow at 45 °C (L/h) ^[4]	1056	1368	1674	1278	1644	2016	1278	1644	2016	1614	2076	2532	1794	2286	2772	
Flow rate 10 min at 45 °C (L) ^{****}	610	615	618	919	924	926	1238	1243	1250	1725	1728	1730	2433	2435	2437	

DIMENSIONAL CHARACTERISTICS (IN MM)

ø DN	ø tank	650	790	790	1000	1250
Overall height without risers	HT	1950	1935	2460	2215	2130
Height with risers	H	-	1985	2510	2265	2180
Return coil	A	397	350	350	425	491
Input coil	B	778	731	729	802	866
Flange opening height	C1	940	937	1400	1183	1000
Manhole opening height	C2	-	858	958	983	1049
Domestic cold water input	D	250	200	200	320	320
Return loop	E	970	937	1200	1077	1011
Height under drain	F	110	60			
Return upper coil	G	1172	1138	1653	1334	1203
Input upper coil	H	1553	1517	2032	1711	1578
Sensor tube	1	Ø interior 15				
Thermometer tube	2	F 15/21				
Coil connexion	3	F 33/42				
DCW / DHW / RL	4	M 40/49			M 50/60	
Draining	5	F 33/42				

COILS CHARACTERISTICS

Solar coil

Area (m ²)	1.49	1.49	1.84	2.42	3.08
Interior volume (L)	9.1	9.1	11.2	14.8	18.9
Capacity heated by solar coil (L)	313	469	714,6	891	1216

Booster coil

Area (m ²)	1.49	1.84	1,84	2.42	3.08
Capacity heated by booster coil (L)	180	273	278	495	812

(1) Risers not mounted. (2) Storage at 65 °C - Room temperature 20 °C. Values determined according to European Standards in force. Add 0.176 W/K for manhole models. (3) Cold water at 10 °C. (4) Cold water at 10 °C - Storage at 60 °C.