

# HOT WATER STORAGE CALORIFIERS INDUSTRIAL AND COMMERCIAL APPLICATIONS

EDITION  
2015/16

Catalogue



WORLD LEADING BRAND OF INDOOR THERMAL COMFORT





The French family-owned Groupe Atlantic is the leading supplier of water heaters and heating equipment to European markets with 5 500 people dedicated to continuously adding value to its products and responding to the growing worldwide demand. Groupe Atlantic has a turnover of 1 350 million euros, manufacturing over 2.7 million panel heaters and 2 million water heaters yearly.



The ISO 9001 Certificate has been attributed to several Atlantic manufacturing plants for their entire production.



Since 1968 Groupe Atlantic through its different brands (Atlantic, Thermor, Pacific, etc...) has been developing and manufacturing solutions for water heating and is recognized as one of the world leader manufacturers in multi-energy heating equipments (electric, gas, fuel, renewables).

In 2012, the Group launches a new range of commercial and industrial water heaters through its brand Atlantic. This new range with capacities from 500 to 3000L beneficiates from Atlantic's expertise in tank enamelling and Pacific's know-how and experience in commercial water heaters, which the brand aquired over the last 70 years.

To improve its manufacturing process, Groupe Atlantic invested in new state-of-the-art production line dedicated to the manufacturing of commercial and industrial application tanks.

#### The Atlantic brand:

Based on customers satisfaction surveys, the Atlantic brand is synonymous with quality, innovation and efficiency. This image is the result of products that take into account end users' requirements for comfort and reliability, and most of all the quality of service.

@ To learn more about Atlantic, click on our website  
**[www.atlantic-comfort.com](http://www.atlantic-comfort.com)**



French Technology



The new production line for commercial and industrial calorifier is equipped with state-of-the-art tooling and equipment which allow to optimize the tanks' global quality, its manufacturing process and enamel quality. Pacific know-how and Atlantic expertise guarantee high quality products for customers' benefit.

Step 1: Steel delivery



Step 2: Steel cutting

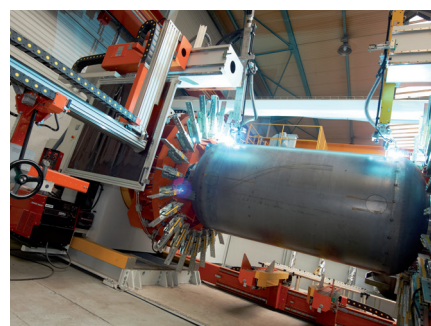
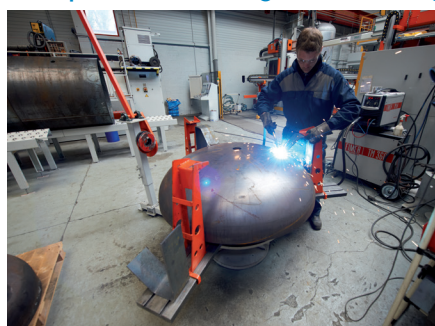


High precision plasma cutting robot

Step 4: Shotblasting



Step 3: Assembling and welding



Step 5: Enamelling

Diamond-quality enamel



Atlantic Diamond-quality enamel is recognized as one of the best tank enamel, bringing long-lasting protection against corrosion to the tank

Step 6: Furnace enamelling



Step 7: Finishing



Step 8: Delivery



# Corprimo

Storage tank for primary closed circuits\*  
11 models available



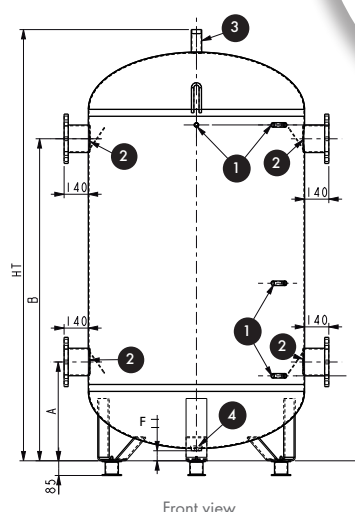
## CHARACTERISTICS

- Steel tank (operating pressure of 4 bar)
- Adjustable feet (included)
- Temperature controls (sensors and thermometers)
- External jacket SNC (soft PU): high density insulation foam 100 mm
- Insulation of the base inside the tank
- 4 connection taps with aerators
- 2" drain at the bottom of the tank
- Blind trilobal thermowells with thermal paste for temperature sensor
- Risers for drain connection
- Lifting rings
- Warranty:  
5 years for tanks  
2 years for parts

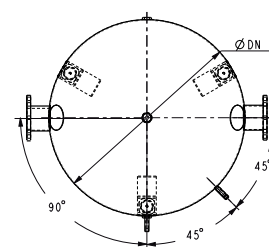
## OPTIONS

- Inspection manhole

500 L - 3000 L



Front view



Bottom view



## TANK CHARACTERISTICS

References		Corprimo models										
		500	750	1000	1000 TB	1500	1500 TB	2000	2500	2500 TB	3000	3000 TB
TECHNICAL CHARACTERISTICS AND PERFORMANCE												
Usable capacity (L)		517	768	1022	1020	1430	1552	2077	2512	2521	3025	2904
Cooling constants		0.105	0.079	0.069	0.067	0.057	0.054	0.049	0.045	0.042	0.041	0.04
DIMENSIONAL CHARACTERISTICS (IN MM)												
Ø DN		650	790	790	1000	1000	1250	1250	1250	1500	1250	1500
Lower connection (A)		390	430	430	475	500	540	540	570	637	570	637
Upper connection (B)		1460	1500	1890	1155	1460	1095	1530	1860	1207	2285	1427
Height under drain (F)		60										
Sensors & Therm ❶		F 15/21										
Connections ❷		F66/76	F 80/90					DN 150				
Purge ❸		M 40/49			M 50/60							
Drain ❹		F 50/60										
Overall height	Without risers	1900	1935	2460	1690	2215	1695	2130	2490	1905	2915	2125
	With risers	1985	2020	2545	1775	2300	1780	2215	2575	1990	3000	2210
Dimension passageway		650	790	790	1000	1000	1250	1250	1250	1500	1250	1500
Tilting dimension*		1920	1960	2480	1730	2270	1720	2180	2530	1960	2950	2170
Empty tank weight (kg)		80	151	181	169	205	267	320	363	350	415	393
Codes		610322	610323	610324	610325	510385	610327	610328	610329	610330	610331	610332

\* Risers not mounted. \*\*No cathodic protection, no enamel



# Corhydro

Storage tank for DHW.  
Diamond-quality enamel. 11 models available



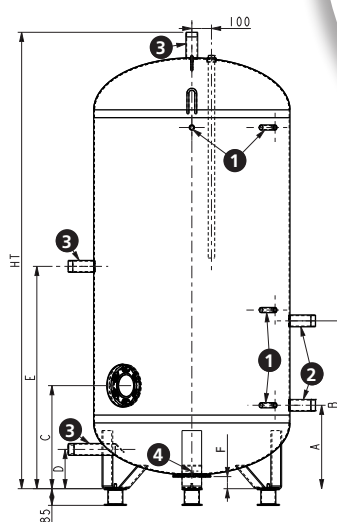
## CHARACTERISTICS

- Enamelled steel tank with 8 bars working pressure
- Temperature controls (sensors and thermometers)
- Circulation connections included
- 2" drain at the lowest point on a Ø 112 mm removable flange
- Ø 112 mm flange or Ø 400 mm manhole with insulation
- Adjustable feet (included)
- External jacket SNC (soft PU): high density insulation foam 100 mm
- Insulation of the base inside the tank
- Magnesium anode 200 g/m<sup>2</sup>
- Blind trilobal thermowells with thermal paste for temperature sensor
- Risers for drain connection
- Lifting rings
- Warranty:  
5 years for tanks  
2 years for parts

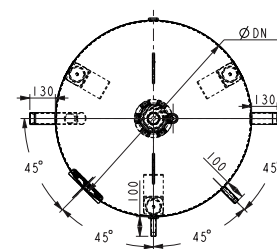
## OPTIONS & ACCESSORIES

- DHW electric booster
- Additional equipment: heating loop
- 5 to 30 kW direct immersion heating element back-up kit

500 L - 3000 L



Front view



Bottom view

## TANK CHARACTERISTICS

References		Corhydro models										
		500	750	1000	1000 TB	1500	1500 TB	2000	2500	2500 TB	3000	3000 TB
TECHNICAL CHARACTERISTICS AND PERFORMANCE												
Usable capacity (L)		517	768	1022	1020	1425	1552	2077	2512	2521	3025	2904
Cooling constants		0.105	0.079	0.069	0.067	0.057	0.054	0.049	0.045	0.042	0.041	0.04
DIMENSIONAL CHARACTERISTICS (IN MM)												
Ø DN		650	790	790	1000	1000	1250	1250	1250	1500	1250	1500
Lower connection (A)		320	350	350	425	425	491	491	491	558	491	558
Upper connection (B)		720	700	835	700	855	777	901	976	983	1076	1018
Height of the opening	Flange (C)	420	450	450	525	525	591	591	591	658	591	658
	Manhole (C)	–	780	780	733	733	799	799	799	866	799	866
DCW input (D)		200	200	200	320	320	320	320	320	320	320	320
Return loop (E)		920	937	1200	815	1077	818	1036	1216	923	1428	1033
Height under drain (F)		60										
Sensors & Therm ❶		F 15/21										
Exchanger connections ❷		M 40/49				M 50/60						
DCW/DHW/RL ❸		M 40/49				M 50/60						
Drain ❹		F 50/60										
Overall height	Without risers	1900	1935	2460	1690	2215	1695	2130	2490	1906	2915	2126
	With risers	1985	2020	2545	1775	2300	1780	2215	2575	1991	3000	2211
Dimension passageway	Flange	680	800	800	1015	1015	1250	1250	1250	1500	1250	1500
	Manhole	–	880	880	1045	1045	1260	1260	1260	1500	1250	1500
Tilting dimension*		1920	1960	2480	1730	2270	1720	2180	2530	1960	2950	2170
Empty tank weight (kg)		82	122	155	185	234	290	360	415	470	478	515
Codes		620401	620402	620403	620404	520492	620406	620407	620408	620409	620410	620411

\* Risers not mounted.



# Cortherm

Electrical calorifier with sheathed or dry ceramic heating element  
Diamond-quality enamel.  
11 models available



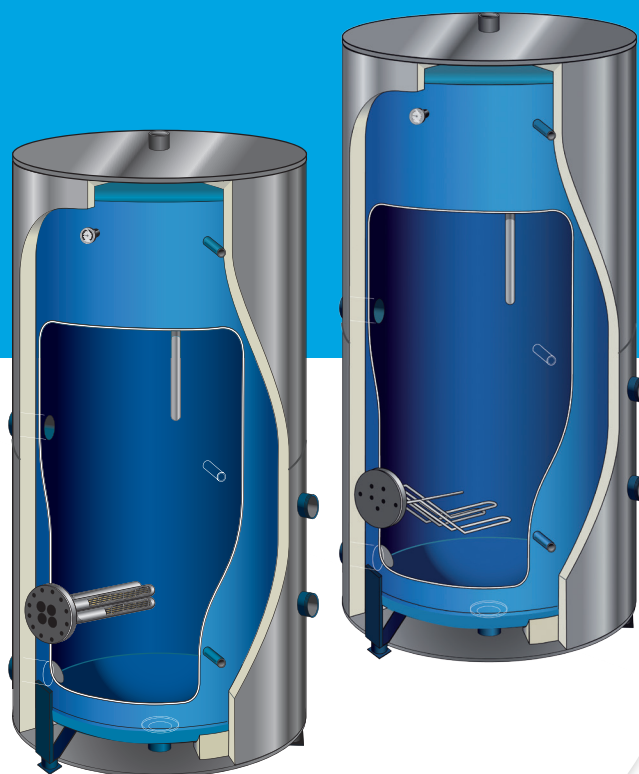
Product

## CHARACTERISTICS

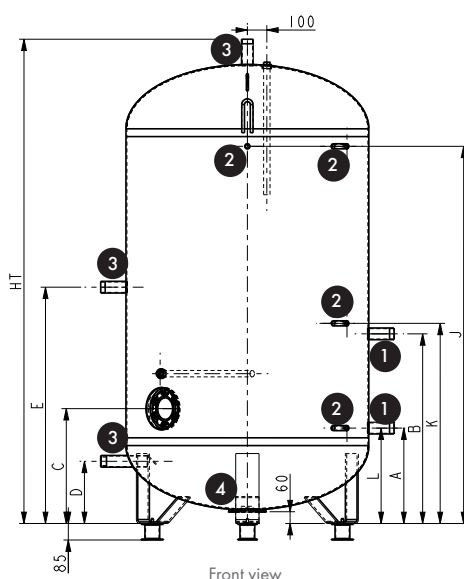
- Enamelled steel tank with 10 bars working pressure
- Bottom drain device
- Temperature controls (sensors and thermometers)
- Adjustable feet (included)
- Magnesium anode 200 g/m<sup>2</sup>
- External jacket SNC (soft PU): high density insulation foam 100 mm
- Warranty :  
5 years for tanks  
2 years for parts
- Lifting rings

## OPTIONS

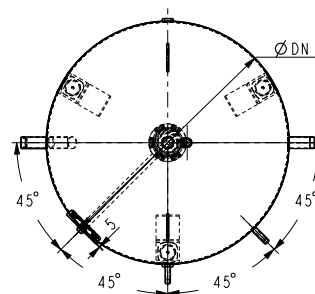
- Additional electric backup
- DHW electric booster
- Inspection manhole



500 L - 3000 L



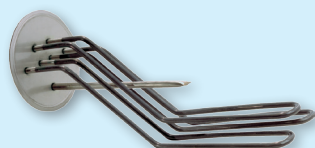
Front view



Bottom view

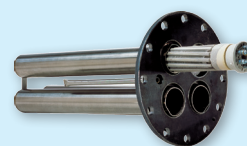
## SHEATHED ELEMENT

- Stainless steel incoloy 800 immersion heating element mounted into a Ø 112 mm stainless steel flange (watt density: ≤ 10 W/cm<sup>2</sup>)
  - Available output: 5, 10, 15, 25 kW
  - Voltage: 400 V, 3 phases
  - Thermostat: adjustable capillary thermostat ranging 50 - 80 °C (+/- 5 °C) (factory preset at 65 °C)
- Manual reset safety cut-out wired in series, to be connected to a power-switch for water heaters exceeding 5 kW



## CERAMIC ELEMENT

- Low watt density (4 W/cm<sup>2</sup>) dry ceramic heating element inserted into a stainless steel protective sleeve
  - Ultimate scale avoiding solution
  - Excellent for desalinating hard and highly mineralized water
  - No need to drain the calorifier for easy maintenance
  - Available output: 4.8, 9, 12, 18, 24 kW (multi-outputs available)
  - Voltage: 400 V, 3 phases
  - Thermostat: adjustable capillary thermostat ranging 10 - 65 °C (factory preset at 65 °C)
- Manual reset safety cut-out wired in series, to be connected to a power-switch for water heaters exceeding 5 kW





## TANK CHARACTERISTICS

References	Cortherm models										
	500	750	1000	1000 TB *	1500	1500 TB *	2000	2500	2500 TB *	3000	3000 TB *
<b>SHEATHED HEATING ELEMENT</b>											
Usable capacity (L)	517	768	1022	1020	1425	1552	2077	2512	2521	3025	2904
Weight (kg)	82	122	155	185	245	290	360	415	470	478	515
Magnesium anode (Mg)	Lg 500 mm	Lg 650 mm	Lg 800 mm	Lg 800 mm	Lg 1000mm	Lg 1000 mm	2 x Lg 600 mm	2 x Lg 650 mm	2 x Lg 650 mm	Lg 600 mm + 2 x Lg 500 mm	3 x Lg 650 mm
Heat-up time 65°C (Δ T = 55°C)	6.397	4.797	6.397	6.397	6.397	6.397	5.117	6.397	6.397	7.676	7.676
	6h24	4h48	6h24	6h24	6h24	6h24	5h07	6h24	6h24	7h40	7h40
Sheathed heating element (kW)	5	10	10	10	15	15	25	25	25	25	25
Codes	630401	630402	630403	630404	630424	630406	630407	630408	630409	630410	630411
<b>CERAMIC HEATING ELEMENT</b>											
Usable capacity (L)	517	768	1022	1020	1425	1552	2077	2512	2521	3025	2904
Weight (kg)	82	122	155	185	245	290	360	415	470	478	515
Magnesium anode (Mg)	Lg 500 mm	Lg 650 mm	Lg 800 mm	Lg 800 mm	Lg 1000mm	Lg 1000 mm	2 x Lg 600 mm	2 x Lg 650 mm	2 x Lg 650 mm	Lg 600 mm + 2 x Lg 500 mm	3 x Lg 650 mm
Heat-up time 65°C (Δ T = 55°C)	6.663	5.330	7.107	7.107	7.996	7.996	7.107	6.663	6.663	7.996	7.996
	6h40	5h20	7h06	7h06	7h59	7h59	7h06	6h40	6h40	7h59	7h59
Ceramic heating element (kW)	4.8	9	9	9	12	12	18	24	24	24	24
Codes	630413	630414	630415	630416	630425	630418	630419	630420	630421	630422	630423
<b>TANK DIMENSIONS</b>											
Ø Diameter	650	790	790	1000	1000	1250	1250	1250	1500	1250	1500
A	320	350	350	425	425	491	491	491	558	491	558
B	720	700	835	700	855	777	901	976	983	1076	1018
C	420	450	450	525	525	591	591	591	658	591	658
D	200	200	200	320	320	320	320	320	320	320	320
E	920	937	1200	815	1077	818	1036	1216	923	1428	1033
J	1520	1525	2050	1205	1840	1146	1581	1941	1288	2366	1508
K	770	750	890	750	910	830	961	1036	1033	1136	1068
L	320	350	350	425	425	491	491	491	558	491	558
Height (without raisers)	1900	1935	2460	1690	2215	1695	2130	2490	1906	2915	2126
Probes & Thermometer(1)	F 1/2" (15/21)	F 1/2" (15/21)	F 1/2" (15/21)	F 1/2" (15/21)	F 1/2" (15/21)	F 1/2" (15/21)	F 1/2" (15/21)	F 1/2" (15/21)	F 1/2" (15/21)	F 1/2" (15/21)	F 1/2" (15/21)
Connections (2)	M 1" 1/2 (40/49)	M 1" 1/2 (40/49)	M 1" 1/2 (40/49)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)
Inlet / outlet / return (3)	M 1" 1/2 (40/49)	M 1" 1/2 (40/49)	M 1" 1/2 (40/49)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)	M 2" (50/60)
Draining (4)	F 2" (50/60)	F 2" (50/60)	F 2" (50/60)	F 2" (50/60)	F 2" (50/60)	F 2" (50/60)	F 2" (50/60)	F 2" (50/60)	F 2" (50/60)	F 2" (50/60)	F 2" (50/60)
Flange (5)	DN 112	DN 112	DN 112	DN 112	DN 112	DN 112	DN 112	DN 112	DN 112	DN 112	DN 112

TB : Compact model. \* Risers not mounted. \*\* Only for sheathed heating element version.



# Corflex

## Modular DHW storage calorifier. Diamond-quality enamel. Select the calorifier specifications matching your needs

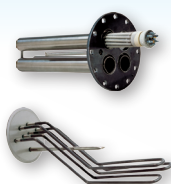
With the CORFLEX range, you can adapt your tank to your specific needs by choosing the equipment in 4 steps. Each element of your choice has a reference which has to be quoted when ordering the calorifier.

### MAKE YOUR CHOICE

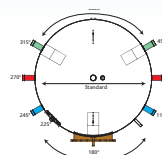
#### Step 1 Tank



#### Step 2 Flange(s) and/or the electric heating element(s)



#### Step 3 Options (manhole and connection positions)



#### Step 4 Insulation



### STEP 1: Choose the tank

- Refere to Corhydro (page 5) for technical data and dimensions
- 5-year warranty for tanks

Capacity (L)	Diameter (mm)	Height with feet (mm)	Operationg pressure	
			8 bar Codes	10 bar Codes
500	650	1985	065072	065084
750	790	2020	065073	065085
1000	790	2545	065074	065086
1000 TB*	1000	1775	065075	065087
1500	1000	2410	065076	065088
1500 TB*	1250	1750	065077	065089
2000	1250	2215	065078	065090
2500	1250	2575	065079	065091
2500 TB*	1500	1991	065080	065092
3000	1250	3000	065081	065093
3000 TB*	1500	2210	065082	065094
4000				
5000				

\*TB = Compact model

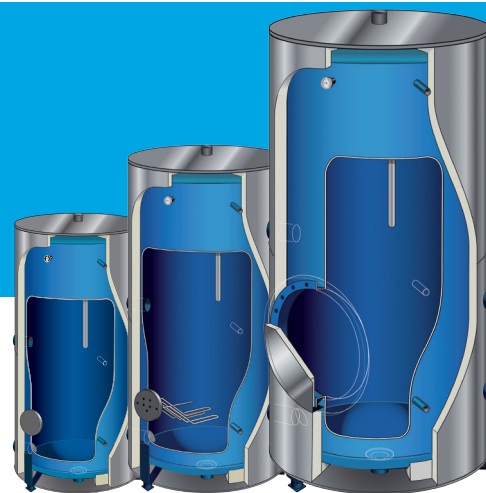
### STEP 2: Choose the flange(s) and/or the electric heating element(s)

\*Possibility to install a maximum of 2 flanges. **First flange** low position, **second flange**, either medium or high position

	500L	750L	1000L	1000L TB	1500L	1500L TB	2000L	2500L	2500L TB	3000L	3000L TB	Voltage (V)	Low position	Medium position	Top position
Flange only DN Ø 112 mm	•	•	•	•	•	•	•	•	•	•	•	-	029 409	029 504	029 505
Flange with SHEATHED ELEMENTS	5 kW	•	•	•	•	•	•	•	•	•	•	Tri 230/400 V 3	029 700	029 705	029 710
	10 kW	•	•	•	•	•	•	•	•	•	•	Tri 230/400 V 3	029 701	029 706	029 711
	15 kW	•	•	•	•	•	•	•	•	•	•	Tri 230/400 V 3	029 702	029 707	029 712
	25 kW	•	•	•	•	•	•	•	•	•	•	Tri 230/400 V 3	029 703	029 708	029 713
	30 kW	•	•	•	•	•	•	•	•	•	•	Tri 400 V 3	029 704	029 709	029 714
Flange with CERAMIC ELEMENTS	4.8 kW	•	•	•	•	•	•	•	•	•	•	Tri 230/400 V 3	029 715	-	-
	9 kW	•	•	•	•	•	•	•	•	•	•	Tri 230/400 V 3	029 716	-	-
	12 kW	•	•	•	•	•	•	•	•	•	•	Tri 230/400 V 3	029 717	-	-
	18 kW	•	•	•	•	•	•	•	•	•	•	Tri 230/400 V 3	029 718	-	-
	24 kW	•	•	•	•	•	•	•	•	•	•	Tri 230/400 V 3	029 719	-	-

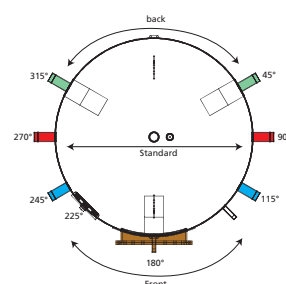
\*TB = Compact model





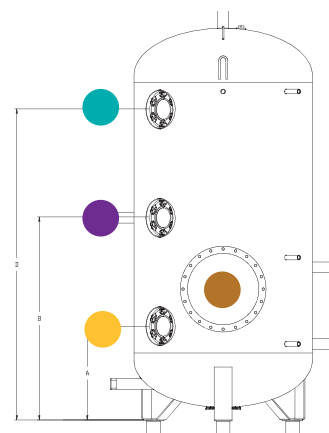
### STEP 3: Choose the openings (manhole and connection positions)

		Codes	
Manhole (starting at 750L)	●	029410	Not complying with 500L tanks
Standard connections (90°/270°)	●	Default setting	—
Frontside connections (115°/245°)	●	029608	Not complying if tank equipped with dry ceramic heating element
Backside connections (45°/315°)	●	029606	



	Heights		
	Low position ●	Medium position ●	High position ●
500L	420 (A)	920 (B)	1320 (D)
750L	450 (A)	1111 (B)	1425 (D)
1000L	450 (A)	1374 (B)	1950 (D)
1000L TB*	525 (A)	941 (B)	1105 (D)
1500L	525 (A)	1132 (B)	1416 (D)
1500L TB*	591 (A)	1036 (B)	1036 (D)
2000L	591 (A)	1036 (B)	1436 (D)
2500L	591 (A)	1216 (B)	1766 (D)
2500L TB*	658 (A)	1188 (B)	1188 (D)
3000L	591 (A)	1361 (B)	2156 (D)
3000L TB*	658 (A)	1088 (B)	1327 (D)

\*TB = Compact model



### STEP 4: Choose the insulation

- Default setting: tank delivered without jacket
- Galvanised steel TM0 jacket only available on demand

Capacity (L)	100 mm SNC Code	100 mm M1 Code
500	083086	083072
750	083087	083073
1000	083088	083074
1000 TB*	083089	083075
1500	083090	083076
1500 TB*	083091	083077
2000	083092	083078
2500	083093	083079
2500 TB*	083094	083080
3000	083095	083081
3000 TB*	083096	083082

\*TB = Compact model



Flexible Jacket SNC  
(soft PU)



Flexible Jacket  
M1

# Corflow

Indirect and combi calorifier with coil exchanger.  
Diamond-quality enamel. 4 models available



## CHARACTERISTICS

- Enamelled steel tank with 8 bars working pressure
- Enamelled steel coil
- Temperature controls (sensors and thermometers)
- Adjustable feet (included)
- Heating Element: CoiExchanger
- External jacket SNC (soft PU): high density insulation foam 100 mm
- Insulation of the base inside the tank
- Magnesium anode 200 g/m<sup>2</sup>
- 2" drain at the lowest point on a Ø 112 mm removable flange
- Blind trilobal thermowells with thermal paste for temperature sensor
- Ø 112 mm flange or Ø 400 mm manhole with insulation
- Risers for drain connection
- Lifting rings
- Warranty:  
5 years for tanks  
2 years for parts

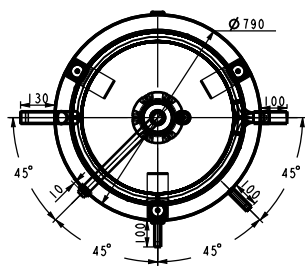
## OPTIONS

- Electric set (5 and 10 kW) available for 1000 and 1500L
- Inspection manhole
- Regulating aquastat unit

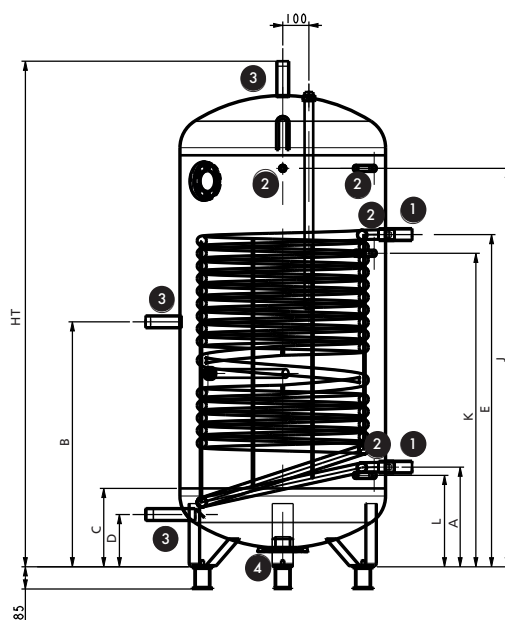


Coil exchanger

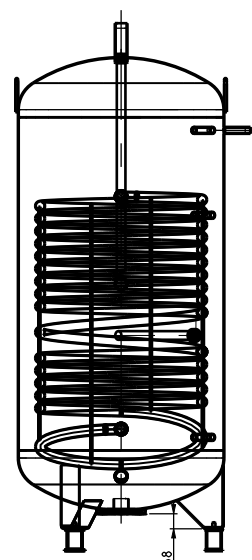
## 500 L - 1500 L



Bottom view



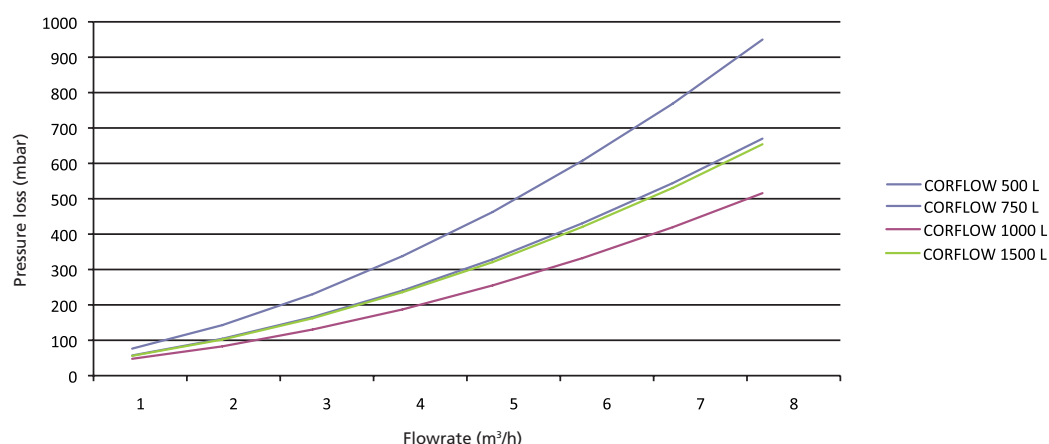
Front view



Side view



Pressure losses diagram



## TANK CHARACTERISTICS

References		Corflow models											
		500			750			1000			1500		
TECHNICAL CHARACTERISTICS AND PERFORMANCE													
Usable capacity (L)		491			734			972			1360		
Cooling constants	SM1	1.472			1.852			2.250			2.685		
	TMO	1.311			1.646			1.997			2.381		
Pressure loss	mBar	500			500			500			500		
Primary flow rate	m³/h	4,1			7			8.2			7.2		
Primary temperature	°C	70	80	90	70	80	90	70	80	90	70	80	90
Power at 60 °C**	kW	57	83	108	73	107	139	89	130	169	109	158	203
Continuous flow at 60 °C**	L/h	978	1434	1848	1248	1842	2388	1524	2238	2910	1878	2712	3498
Power at 45 °C (**)	kW	80	102	124	103	133	162	126	161	197	151	193	235
Continuous flow at 45 °C**	L/h	1962	2508	3048	2526	3258	3978	3084	3960	4836	3714	4740	5760
Flow rate 10 min at 45 °C ***	L	639	657	674	929	944	947	1246	1250	1251	1757	1786	1814
Codes		640401			640402			640403			640404		

\* Storage at 65 °C - Room temperature 20 °C. Values determined according to RT2012. Add 0.176 W/K for manhole models.

\*\* Cold water at 10 °C \*\*\* Cold water at 10 °C - Storage at 60 °C.

## DIMENSIONAL CHARACTERISTICS (IN MM)

Ø DN		650	790	790	1000
Return coil (A)		347	381	354	429
Input coil (B)		1333	1271	1570	1644
Height of the opening	Flange (C)	720	740	1008	1083
	Manhole (C)	-	-	1008	1083
DCW input (D)		200	1008	200	320
Return loop (E)		920	937	1200	1132
Height under drain (F)		60			
Sensors & Therm ①		F 15/21			
Coil connections ②		F 33/42	F 40/49		
DCW/DHW/RL ③		M 40/49			M 50/60
Drain ④		F 50/60			
Overall height	Without risers	1900	1935	2460	2215
	With risers	1985	2020	2545	2300
Dimension passageway	Flange	680	800	800	1015
	Manhole	-	-	880	1045
Tilting dimension*		1920	1960	2480	2270
Empty tank weight (kg)	Flange	135	210	225	329
	Manhole	-	-	255	359
Codes		640401	640402	640403	545924

\* Risers not mounted.

# Corsun 1

Solar tank/ 1 coil  
Environmentally-friendly solution  
Diamond-quality enamel  
5 models available



## CHARACTERISTICS

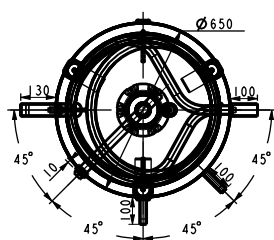
- Enamelled steel tank with 8 bars working pressure
- Enamelled steel coil
- Temperature controls (sensors and thermometers)
- Adjustable feet (included)
- Heating Element : Coil Exchanger x 1
- External jacket SNC (soft PU): high density insulation foam 100 mm
- Insulation of the base inside the tank
- Magnesium anode 200 g/m2
- 2" drain at the lowest point on a 112 mm removable flange
- Blind trilobal thermowells with thermal paste for temperature sensor
- Ø 112 mm flange or Ø 400 mm manhole with insulation
- Risers for drain connection
- Lifting rings
- Warranty:  
5 years for tank  
2 years for parts

## OPTIONS

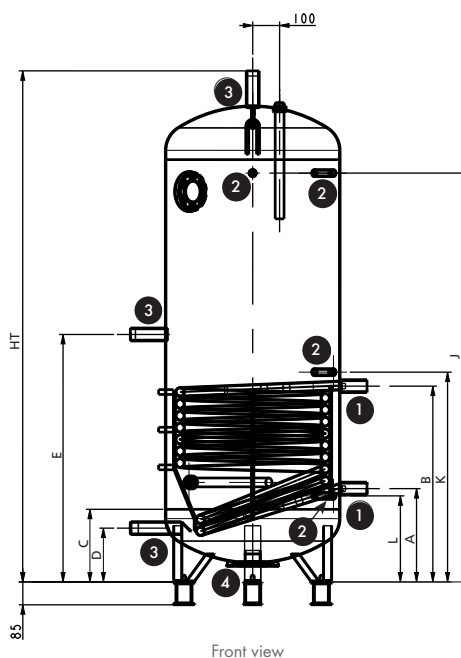
- Additional equipment: heating loop
- 5 to 30 kW direct immersion electrical heating element kit (for models equipped with a flange) available on special orders



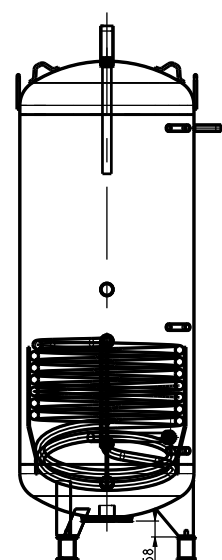
500 L - 2000 L



Bottom view



Front view



Side view



## TANK CHARACTERISTICS

References		Corsun 1 Models														
		500			750			1000			1500			2000		
TECHNICAL CHARACTERISTICS AND PERFORMANCE																
Usable capacity (L)		504			749			996			1388			2026		
Cooling constants Codes*	SM1	1.472			1.852			2.250			2.685			3.389		
	TM0	1.311			1.646			1.997			2.381			3.003		
Pressure loss	mBar	500			500			500			500			500		
Primary flow rate	m³/h	6			6.7			5.8			4.9			4.1		
Primary temperature	°C	70	80	90	70	80	90	70	80	90	70	80	90	70	80	90
Power at 60 °C**	kW	33	49	65	50	74	97	61	91	118	79	115	148	96	138	175
Continuous flow at 60 °C**	L/h	564	846	1116	852	1272	1662	1050	1560	2028	1356	1980	2550	1656	2370	2012
Power at 45 °C**	kW	48	62	77	72	93	114	88	113	138	11	142	171	131	165	199

\* Storage at 65 °C - Room temperature 20 °C. Values determined according to RT2012. Add 0.176 W/K for manhole models.

\*\* Cold water at 10 °C

DIMENSIONAL CHARACTERISTICS (IN MM)						
Ø DN		650	790	790	1000	1250
Return coil (A)		347	367	367	442	491
Input coil (B)		728	834	965	1083	1215
Height of the opening	Flange (C)	1140	1150	1500	1385	1451
	Manhole (C)	–	1008	1108	1183	749
DCW input (D)		200	200	200	320	320
Return loop (E)		920	937	1200	1132	1011
Height under drain (F)		60				
Return upper coil (G)		1122	1138	1653	1334	1203
Upper input soil (H)		1503	1517	2032	1711	1578
Sensors & Therm ❶		F 15/21				
Coil connections ❷		F 33/42				
DCW/DHW/RL ❸		M 40/49			M 50/60	
Drain ❹		F 50/60				
Overall height	Without risers	1900	1935	2460	2215	2130
	With risers	1985	2020	2545	2300	2215
Dimension passageway	Flange	680	800	800	1015	1250
	Manhole	–	880	880	1045	1260
Tilting dimension *		1920	1960	2480	2270	2180
Empty tank weight (kg)	Flange	115	165	205	309	455
	Manhole	–	195	235	339	485

\* Risers not mounted.

<b>COIL CHARACTERISTICS</b>																
Solar coil	Area (m <sup>2</sup> )	1.58			2.4			3.12			4.38			6.08		
	Interior volume (m <sup>3</sup> )	299			440			603			784			1556		
	Solar volume (L)	10			16			20			28			39		
Additional volume (L)		205			309			393			604			470		
Codes		640420			640421			640422			541039			640426		

# Corsun 2

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

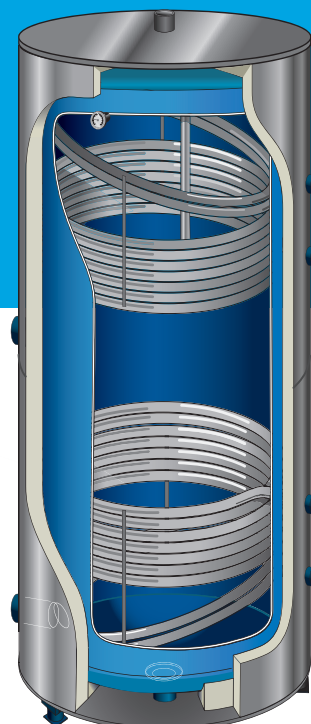


## CHARACTERISTICS

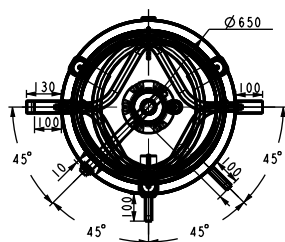
- Heating Element : Coil Exchanger x 2
- Enamelled steel tank with 8 bars working pressure
- Two enamelled steel coils
- Temperature controls (sensors and thermometers)
- Adjustable feet (included)
- External jacket SNC (soft PU): high density insulation foam 100 mm
- Insulation of the base inside the tank
- Magnesium anode 200 g/m2
- 2" drain at the lowest point on a 112 mm removable flange
- Blind trilobal thermowells with thermal paste for temperature sensor
- Ø 112 mm flange or Ø 400 mm manhole with insulation
- Risers for drain connection
- Lifting rings
- Warranty:  
5 years for tank  
2 years for parts

## OPTIONS

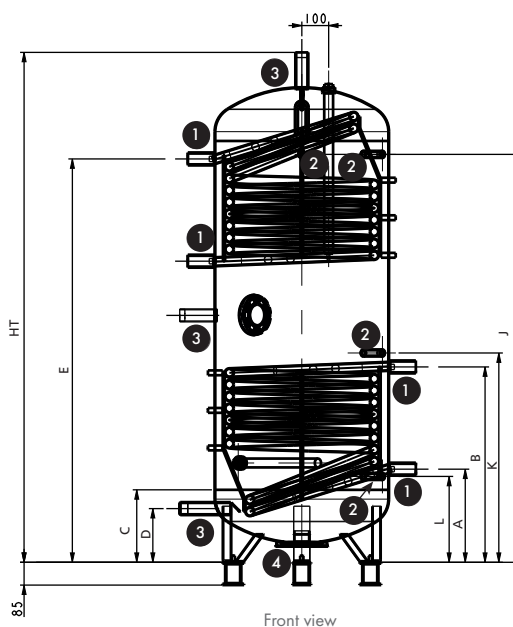
- Inspection manhole



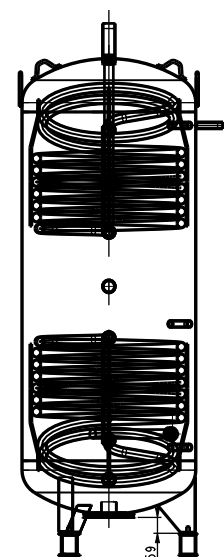
500 L - 2000 L



Bottom view



Front view



Side view



## TANK CHARACTERISTICS

References		Corsun 2 Models - Booster coil (top)														
		500			750			1000			1500			2000		
TECHNICAL CHARACTERISTICS AND PERFORMANCE																
Usable capacity (L)		491			740			989			1382			2022		
Cooling constants Codes*	SM1	1.472			1.852			2.250			2.685			3.389		
	TMO	1.311			1.646			1.997			2.381			3.003		
Pressure loss	mBar	104			128			128			169			128		
Primary flow rate	m³/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	32	48	62	39	58	75	38	57	75	50	73	95	56	81	104
Continuous flow at 60 °C**	L/h	551	822	1074	667	990	1291	660	984	1284	852	1256	1629	963	1395	1789
Power at 45 °C**	kW	46	60	73	56	72	88	55	72	87	70	90	110	77	98	119
Continuous flow at 45 °C**	L/h	1137	1469	1798	1368	1762	2154	1362	1757	2148	1728	2215	2703	1902	2418	2928
Flow rate 10 min at 45 °C ***	L	256	256	256	387	387	387	394	394	394	581	581	581	1157	1157	1157

\* Storage at 65 °C - Room temperature 20 °C. Values determined according to RT2012. Add 0.176 W/K for manhole models.

\*\* Cold water at 10 °C \*\*\* Cold water at 10 °C - Storage at 60 °C.



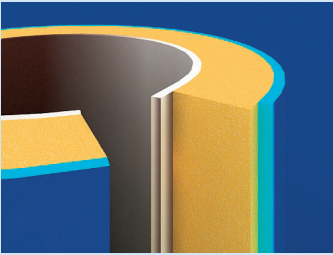
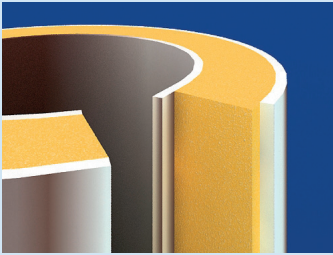
DIMENSIONAL CHARACTERISTICS (IN MM)																
Ø DN		650			790			790			1000			1250		
Return coil (A)		347			350			350			425			491		
Input coil (B)		728			731			729			802			866		
Height of the opening	Flange (C)	920			837			1400			1283			1000		
	Manhole (C)	-			858			958			983			1049		
DCW input (D)		200			200			200			320			320		
Return loop (E)		920			937			1200			1132			1011		
Height under drain (F)								60								
Return upper coil (G)		1122			1138			1653			1334			1203		
Upper input soil (H)		1503			1517			2032			1711			1578		
Sensors & Therm ①								F 15/21								
Coil connections ②								F 33/42								
DCW/DHW/RL ③					M 40/49						M 50/60					
Drain ④								F 50/60								
Overall height	Without risers	1900			1935			2460			2215			2130		
	With risers	1985			2020			2545			2300			2215		
Dimension passageway	Flange	680			800			800			1015			1250		
	Manhole	-			880			880			1045			1260		
Tilting dimension*		1920			1960			2480			2270			2180		
Empty tank weight (kg)	Flange	142			190			235			358			470		
	Manhole	-			220			265			388			500		

\* Risers not mounted.

COIL CHARACTERISTICS																
Solar coil	Area (m <sup>2</sup> )	1.58			1.58			1.95			2.57			3.27		
	Solar Volume (m <sup>3</sup> )	312			468			713			888			1213		
	Interior volume (m <sup>3</sup> )	20			23			25			33			42		
Booster coil	Area (m <sup>2</sup> )	1.58			1.95			1.95			2.57			3.27		
	Additional volume (L)	179			272			276			494			809		
Codes		640440			640441			640442			542065			640444		

# Insulation jackets

3 different insulation jackets available for all ranges and dimensions to provide you with a solution adapted to your needs

Flexible SNC	Flexible M1	Steel TM0
		
		
<ul style="list-style-type: none"> <li>• Thermal insulation soft PU foam</li> <li>• Thickness: 100 mm</li> </ul>	<ul style="list-style-type: none"> <li>• Thermal insulation made of glasswool with flexible PVC coating</li> <li>• Thickness: 100 mm</li> <li>• Fixed on the calorifier with a zipper</li> </ul>	<ul style="list-style-type: none"> <li>• Glasswool thermal insulation in galvanised steel jacket</li> <li>• Thickness: 100 mm</li> </ul>

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# Notes



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calorifiers



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