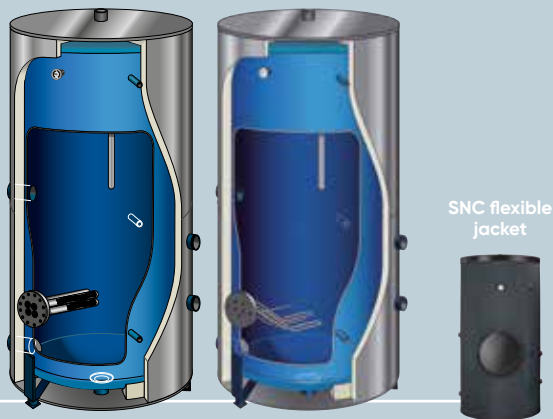


Cortherm

Sanitary calorifier with sheathed or Steatite heating element



11 models from 500 to 3000L

+ PRODUCTS

- Special tank glass lining resistant to high temperatures
- All compact models (TB) below 2.20m
- SNC 100mm flexible jacket
- 1" 1/4 drain at the bottom

SUPPLIES

- Steel tank with diamond-quality enamel
- SNC 100mm flexible jacket
- Thermometer
- 1/2" connection for thermometer
- Bottom insulation below the tank
- 1 to 3 magnesium anodes (delivered unmounted)
- 1" 1/4 drain at the lowest point on a Ø 112mm removable flange opening
- 3 1/2" opening connections
- Ø 112mm flange opening
- Spacers for drain connection (except 500L)
- 2 lifting rings
- **Operating pressure: 10 bar**

OPTIONS & ACCESSORIES

- Options: See Corflex range
- 5 to 25kW direct immersion heating element kit or 4 to 25kW Steatite heating element kit

WARRANTIES

- Tank: 5 years
- Removable parts: 2 years

REFERENCES

MODELS	USABLE CAPACITY (L)	Ø TANK WITHOUT INSULATION (mm)	Ø TANK WITH INSULATION (mm)	HEIGHT WITH SPACERS (mm)	HEIGHT WITHOUT SPACERS (mm)	SNC FLEXIBLE JACKET - 10 bar	
						REFERENCES WITH SHEATHED HEATING ELEMENT	REFERENCES WITH STEATITE HEATING ELEMENT
Cortherm 500	517	650	850	-	1950	630 401	630 413
Cortherm 750	768	790	990	1985	1935	630 402	630 414
Cortherm 1000	1022	790	990	2510	2460	630 403	630 415
Cortherm 1000 TB	1020	1000	1200	1740	1690	630 404	630 416
Cortherm 1500	1425	1000	1200	2265	2215	630 424	630 425
Cortherm 1500 TB	1552	1250	1450	1745	1695	630 406	630 418
Cortherm 2000	2077	1250	1450	2180	2130	630 407	630 419
Cortherm 2500	2512	1250	1450	2540	2490	630 408	630 420
Cortherm 2500 TB	2521	1500	1700	1956	1906	630 409	630 421
Cortherm 3000	3025	1250	1450	2965	2915	630 410	630 422
Cortherm 3000 TB	2904	1500	1700	2176	2126	630 411	630 423

TB: Compact models.

Sheathed heating element



- Incoloy 800 sheathed heating element on a flange with a diameter of 112mm ($\leq 10W/cm^2$)
- Voltage: 400V (3-phase)
- Thermostat can be set to between 50 and 80°C (+/- 5°C) (factory preset 65°C)
- Manual reset safety procedure connected in series, to be connected to a switch for water heaters of more than 5kW

Steatite heating element



- Low-load ceramic heating element ($4W/cm^2$) with stainless steel protection
- Perfect solution for preventing scale
- Suited to aggressive and highly-demineralised hard water
- Easy maintenance: no need to drain the tank
- Voltage: 400V (3-phase)
- Thermostat can be set to between 10 and 65°C (+/- 5°C) (factory preset 65°C)
- Manual reset safety procedure connected in series, to be connected to a switch for water heaters of more than 5kW

TECHNICAL CHARACTERISTICS AND PERFORMANCES

GENERAL CHARACTERISTICS:	CORTHERM MODELS										
	500	750	1000	1000 TB	1500	1500 TB	2000	2500	2500 TB	3000	3000 TB
Usable capacity (L)	517	768	1022	1020	1425	1552	2077	2512	2521	3025	2904
Min. tank width (mm)	680	795	795	1015	1015	1265	1265	1265	1515	1265	1515
Min. height of installation area (mm)	2100	2135	2660	1890	2415	1895	2330	2690	2106	3115	2326
Tilting dimension ⁽¹⁾	1980	1960	2480	1730	2270	1720	2180	2530	1970	2950	2180
Min. dimension for placing the anode (mm) with spacers	2350	2535	3210	2440	3165	2645	2680	3090	2506	3465	2576
Empty tank weight (kg)	82	122	155	185	234	290	360	415	470	478	515

TB: Compact models. (1) Spacers not mounted.

DIMENSIONAL SPECIFICATIONS (IN MM)

VALUE	REFERENCES	CORTHERM MODELS										
		500	750	1000	1000 TB	1500	1500 TB	2000	2500	2500 TB	3000	3000 TB
Tank diameter	Ø	650	790	790	1000	1000	1250	1250	1250	1500	1250	1500
Overall height without spacers	HT	1950	1935	2460	1690	2215	1695	2130	2490	1906	2915	2126
Height with spacers	H	-	1985	2510	1740	2265	1745	2180	2540	1956	2965	2176
Lower connection	A	250	200	200	320	320	320	320	320	320	320	320
Upper connection	B	950	937	1200	815	1077	818	1036	1216	923	1428	1033
Height of the opening	C1	470	450	450	525	525	591	591	591	658	591	658
Cold water inlet	D	250	200	200	320	320	320	320	320	320	320	320
Return loop	E	812	778	988	683	893	690	864	1007	778	1179	866
Height under drain	F	110	60									
Sensor connection	1	Ø internal 15										
Thermometer connection	2	F 15/21										
Exchanger connection	3	M 40/49					M 50/60					
Cold water (CW) / hot water (HW) / return loop (RL)	4	M 40/49					M 50/60					
Drain	5	F 33/42										

TB: Compact models.

ELECTRIC HEATING ELEMENT

	500	750	1000	1000 TB	1500	1500 TB	2000	2500	2500 TB	3000	3000 TB
DIRECT IMMERSION HEATING ELEMENT											
Time to heat up to 65°C (ΔT - 55°C)	6h24m	4h48m	6h24m	6h24m	6h24m	6h24m	5h07m	6h24m	6h24m	7h40m	7h40m
Sheathed heating element power (W)	5	10	10	10	15	15	25	25	25	25	25
STEATITE HEATING ELEMENT											
Time to heat up to 65°C (ΔT - 55°C)	6h40m	5h20m	7h06m	7h06m	7h59m	7h59m	7h06m	6h40m	6h40m	7h59m	7h59m
Sheathed heating element power (W)	4.8	9	9	9	12	12	18	24	24	24	24

TB: Compact models.

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