

Corhydro

Sanitary calorifier



+ PRODUCTS

- Special tank glass lining resistant to high temperatures
- All compact models (TB) below 2.20m
- M1/SNC flexible jacket or M0 steel jacket (100mm of insulation)
- 1" 1/4 drain at the bottom

SUPPLIES

- Steel tank with diamond-quality enamel
- M1/SNC flexible jacket or M0 steel jacket (100mm of insulation)
- 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
- 3 1/2" opening connections
- Ø 112mm flange opening
- Spacers for drain connection (except 500L)
- 2 lifting rings
- **Operating pressure 8 bar (M0/M1) and 10 bar (SNC)**

OPTIONS & ACCESSORIES

- Options: See Corflex range
- 5 to 30kW direct immersion heating element kit with security and regulating aquastat unit with factory setting at 65°C, programmable between 18 and 80°C

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)	M1 FLEXIBLE JACKET 8 bar	M0 STEEL JACKET 8 bar	SNC FLEXIBLE JACKET 10 bar
						REFERENCES	REFERENCES	REFERENCES
Corhydro 500	517	650	850	-	1950	520 434	520 446	620 401
Corhydro 750	768	790	990	1985	1935	520 435	520 447	620 402
Corhydro 1000	1022	790	990	2510	2460	520 436	520 448	620 403
Corhydro 1000 TB	1020	1000	1200	1740	1690	520 437	520 449	620 404
Corhydro 1500	1425	1000	1200	2265	2215	520 480	520 481	520 492
Corhydro 1500 TB	1552	1250	1450	1745	1695	520 439	520 451	620 406
Corhydro 2000	2077	1250	1450	2180	2130	520 440	520 452	620 407
Corhydro 2500	2512	1250	1450	2540	2490	520 441	520 453	620 408
Corhydro 2500 TB	2521	1500	1700	1956	1906	520 442	520 454	620 409
Corhydro 3000	3025	1250	1450	2965	2915	520 443	520 455	620 410
Corhydro 3000 TB	2904	1500	1700	2176	2126	520 444	520 456	620 411

TB: Compact models.

ELECTRIC HEATING KIT:

In the column 'Recommended Pairings', you will find the recommended capacity/power couplings for stored production.

MODELS:	RECOMMENDED PAIRINGS	VOLTAGE	TO BE ADJUSTED ON THE FLANGE
			REFERENCES
Opening only without kit	750 to 3000L	-	Included in flange version
5kW sheathed heating element kit	500L	3-phase 230/400V 3~	029 405
10kW sheathed heating element kit	750 to 1000L	3-phase 230/400V 3~	029 406
15kW sheathed heating element kit	750 to 1500L	3-phase 230/400V 3~	029 407
25kW sheathed heating element kit	1500 to 3000L	3-phase 230/400V 3~	029 408
30kW sheathed heating element kit	1500 to 3000L	3-phase 400V 3~	029 419

Provide a contactor relay and a safety valve (not supplied).

TECHNICAL CHARACTERISTICS AND PERFORMANCES

GENERAL CHARACTERISTICS:	CORHYDRO 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	680	795	795	1015	1015	1265	1265	1265	1515	1265	1515	
Tilting dimension ⁽¹⁾	180	1960	2480	1730	2270	1720	2180	2530	1970	2950	2180	
Min. height of installation area	2100	2135	2660	1890	2415	1895	2330	2690	2106	3115	2326	
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	
Heat loss ⁽²⁾ Ua (W/K)	Flexible M1	1.472	1.852	2.250	2.306	2.685	2.991	3.389	3.815	4.120	4.324	4.444
	Steel M0	1.311	1.646	1.997	2.046	2.381	2.651	3.003	3.379	3.648	3.828	3.935

(1) Spacers not mounted. (2) Storage at 65°C - Room temperature at 20°C. Values according to RT2012.

DIMENSIONAL SPECIFICATIONS (IN MM)

VALUE	REFERENCES	CORHYDRO MODELS										
		500	750	1000	1000 TB	1500	1500 TB	2000	2500	2500 TB	3000	3000 TB
Tank diameter	∅	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	1/2" connection										
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										

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