

# Corflow

Indirect & combi calorifier



## + PRODUCTS

- Special tank glass lining resistant to high temperatures
- M1/SNC flexible jacket or M0 steel jacket (100mm of insulation)

### SUPPLIES

- Steel tank with diamond-quality enamel
- Enamelled steel coil
- M1/SNC flexible jacket or M0 steel jacket (100mm of insulation)
- Thermometer
- 1/2" connection for thermometer
- Bottom insulation below the tank
- 1 to 2 magnesium anodes (delivered unmounted)
- 1" 1/4 drain at the lowest point on a Ø 112mm removable flange opening
- 3 1/2" opening connections
- Opening connections for thermometer placement
- Ø 112mm flange opening
- Spacers for drain connection (except 500L)
- 2 lifting rings
- **Operating pressure: 8 bar**

### OPTIONS & ACCESSORIES

- Coil regulating aquastat unit programmable between 0 and 90°C
- 5 or 10kW direct immersion electric heating element kit with security and regulating aquastat unit (factory setting to 65°C, which can be set to between 18 and 80° for 900, 1000 and 1500L models)

### WARRANTIES

- Tank: 5 years
- Removable parts: 2 years

### REFERENCES

MODELS	USABLE CAPACITY (L)	Ø TANK (mm)	HEIGHT WITH SPACERS (mm)	HEIGHT WITHOUT SPACERS (mm)	M1 FLEXIBLE JACKET 8 bar	M0 STEEL JACKET 8 bar	SNC FLEXIBLE JACKET 8 bar
					REFERENCES	REFERENCES	REFERENCES
Corflow 500	494	650	-	1950	545 697	545 732	640 401
Corflow 750	734	790	1985	1935	545 698	545 733	640 402
Corflow 1000	972	790	2510	2460	545 699	545 734	640 403
Corflow 1500	1360	1000	2265	2215	545 877	545 879	545 924

OPTIONS & ACCESSORIES	VOLTAGE (V)	TO BE MOUNTED ON THE FLANGE OPENING
		REFERENCES
Opening only without kit	-	Included in flange version
Regulating aquastat unit for Corflow	-	029 007
5kW sheathed heating element kit for 900 to 1500L Corflow	3-phase 230/400 V 3~	029 405
10kW sheathed heating element kit for 900 to 1500L Corflow	3-phase 230/400 V 3~	029 406

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

## TECHNICAL CHARACTERISTICS AND PERFORMANCES

GENERAL CHARACTERISTICS:	CORFLOW MODELS												
	500			750			1000			1500			
Min. tank width (mm)	680			800			800			1015			
Tilting dimension <sup>(1)</sup>	mm	1980			1960			2480			2270		
Min. dimension for placing the anode (mm) with spacers	2350			2685			3410			3165			
Min. height of installation area	mm	2100			2135			2660			2415		
Empty tank weight (kg)	135			210			225			329			
Heat loss <sup>(1)</sup>	M1	1.472			1.852			2.250			2.685		
Ua (W/K)	M0	1.311			1.646			1.997			2.381		
Usable capacity	L	494			734			972			1360		
Pressure loss	mBar	202			212			163			214		
Primary flow rate	m <sup>3</sup> /h	4			5			5			5		
Primary temperature	°C	70	80	90	70	80	90	70	80	90	70	80	90
Power at 60°C <sup>(2)</sup>	kW	55	81	104	68	99	127	79	115	148	98	141	180
Continuous flow at 60°C <sup>(2)</sup>	L/h	954	1386	1788	1158	1698	2190	1362	1974	2538	1686	2424	3096
Power at 45°C <sup>(2)</sup>	kW	78	99	120	95	121	147	110	140	170	134	170	205
Continuous flow at 45°C <sup>(2)</sup>	L/h	1902	2430	2958	2328	2976	3618	2694	3438	4170	3294	4176	5046
Flow rate 10min at 45°C <sup>(3)</sup>	L	632	651	668	919	935	938	1233	1238	1239	1740	1768	1796

(1) Storage at 65°C - Room temperature at 20°C. Values according to RT2012.

(2) Cold water at 2°C. (3) Cold water at 3°C - Storage at 10°C.

## DIMENSIONAL SPECIFICATIONS

DESCRIPTIONS	REFERENCES	CORFLOW MODELS			
		500	750	1000	1500
Tank diameter	∅	650	790	790	1000
Overall height without spacers	HT	1950	1935	2460	2215
Height with spacers	H	-	1985	2510	2265
Return coil	A	397	381	354	429
Input coil	B	1383	1271	1570	1644
Height of the opening	C1	770	740	1008	1083
Cold water inlet	D	250	200	200	320
Return loop	E	970	937	1200	1132
Height under drain	F	110		60	
Sensor connection	1	1/2" connections			
Thermometer connection	2	F 15/21			
Primary network coil connections	3	F 33/42		F 40/49	
Cold water (CW) / hot water (HW) / return loop (RL)	4	M 40/49			M 50/60
Drain	5	F 33/42			



Intermediate and low position connections on Corflow tank. Maximum length of thermowell 120mm.

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