

Corflow

Indirect and combi calorifier with coil exchanger
4 models available

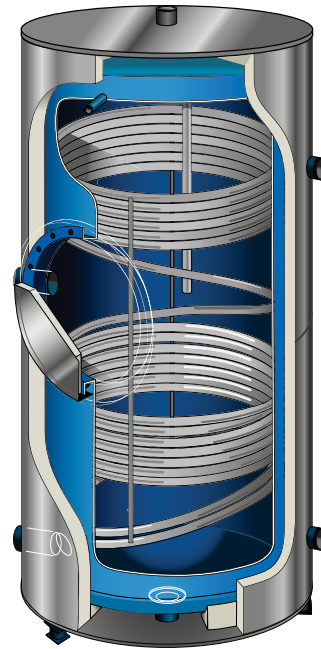


CHARACTERISTICS

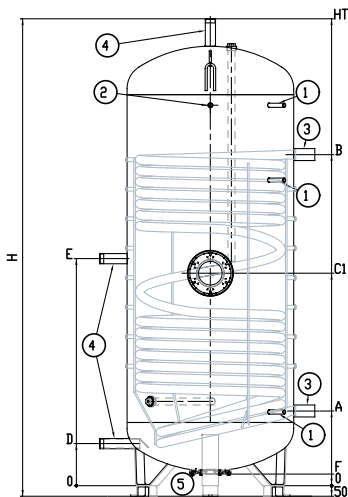
- Enamelled steel tank
- 8 bar operating pressure
- Steel coil, enamelled
- Heating Element: 1 Coil Exchanger
- Insulation and external jacket: flexible SNC (100 mm high density PU foam and PVC jacket)
- Insulated bottom (below tank)
- Magnesium anode 200 g/m² (supplied unmounted)
- 1/2" connection tap 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 tanks
 - 2 years for parts

OPTIONS

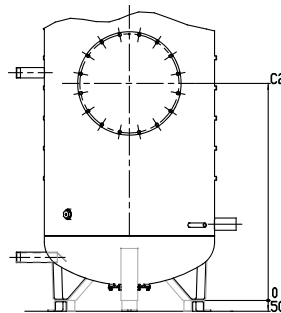
- Electric heating element kits (5 and 10 kW) available for 1000 L/1500 L with flange
- Inspection manhole
- Coil regulating aquastat unit (with safety limit thermostat and temperature setting)



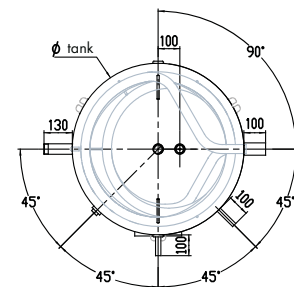
500 L - 1500 L



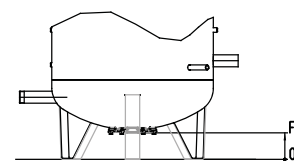
Front view with flange



Front view with manhole

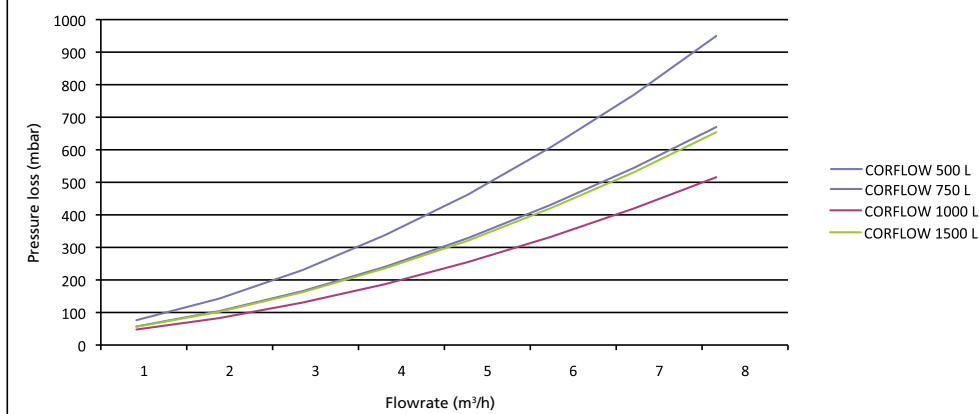


Top view



Front view
500 L model without risers

Pressure loss diagram



TANK CHARACTERISTICS

	Corflow models												
	500			750			1000			1500			
REFERENCES	640401			640402			640403			545924			
TECHNICAL CHARACTERISTICS AND PERFORMANCE													
Usable capacity (L)	494			734			972			1360			
Dimension passageway (mm)	Flange	680			800			800			1015		
	#N/A	-			-			880			1055		
Tilting dimension (mm) ⁽¹⁾	1980			1960			2480			2270			
Minimum installation height to put the anode (mm) with risers	2350			2685			3410			3165			
Minimum installation height (mm)	2100			2135			2660			2415			
Empty tank weight (kg)	Flange	135			210			225			329		
	Manhole	-			-			255			359		
Thermal losses (W/K) ⁽²⁾	Flexible M1 insulation	1.472			1.852			2.250			2.685		
	Steel TMO insulation	1.311			1.646			1.997			2.381		
Pressure loss (mBar)	202			212			163			214			
Primary flow rate (m³/h)	4			5			5			5			
Primary temperature (°C)	70	80	90	70	80	90	70	80	90	70	80	90	
Power at 60 °C (kW) ⁽³⁾	55	81	104	68	99	127	79	115	148	98	141	180	
Continuous flow at 60 °C (L/h) ⁽³⁾	954	1386	1788	1158	1698	2190	1362	1974	2538	1686	2424	3096	
Power at 45 °C (kW) ⁽⁴⁾	78	99	120	95	121	147	110	140	170	134	170	205	
Continuous flow at 45 °C (L/h) ^{****}	1902	2430	2958	2328	2976	3618	2694	3438	4170	3294	4176	5046	
Flow rate 10 min at 45 °C (L) ^{****}	632	651	668	919	935	938	1233	1238	1239	1740	1768	1796	

DIMENSIONAL CHARACTERISTICS (IN MM)

∅ DN	∅ tank	650			790			790			1000		
Overall height without risers	HT	1950			1935			2460			2215		
Height with risers	H	-			1985			2510			2265		
Return coil	A	397			381			354			429		
Input coil	B	1383			1271			1570			1644		
Flange opening height	C1	770			740			1008			1083		
Manhole opening height	C2	-			-			1008			1083		
Domestic cold water input	D	250			200			200			320		
Return loop	E	970			937			1200			1132		
Height under drain	F	110			-			60			-		
Sensor tube	1	-			-			∅ interior 15			-		
Thermometer tube	2	-			-			F15/21			-		
Coil connexion	3	F33/42			-			F40/49			-		
DCW / DHW / RL	4	-			M40/49			-			M50/60		
Draining	5	-			-			F33/42			-		

CHARACTERISTICS: COIL AND HEATING ELEMENT

Coil exchanger

Area (m²)	2.9			3.72			4.66			4.66			6.09		
Interior volume (L)	17.8			28.3			40			40			52.4		
Capacity heated by coil (L)	494			734			854			972			1360		

Heating element

Capacity heated by heating element (L)	-			-			532			650			797		
Heat-up time with heating element (5 kW)	-			-			6h15			7h30			9h15		
Heat-up time with heating element (10 kW)	-			-			3h05			3h45			4h40		

(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.