

ECO-COMBI 2

MULTI-HEAT ENERGY BUFFER WITH STAINLESS STEEL 316L D.H.W. CORRUGATED COIL AND 1 FIXED HEAT EXCHANGER



APPLICATION

Heating hot water storage and rapid D.H.W. production.

MATERIAL

- BUFFER TANK: Mild steel painted on the outside. Buffer intended for closed circuit installation, so no anti-corrosion treatment is provided.
- D.H.W. STORAGE : Stainless steel 316L corrugated coil, suitable for D.H.W. according to D. M. n. 174 dated 06.04.04

HEAT EXCHANGER

N° 1 fixed heat exchanger.

TECHNICAL DESCRIPTION

Multi-Heat Energy tanks EcoCombi 2 are used in units with a typically discontinuous energy source for double use: heating system and sanitary hot water system.

- Thermal storage, combining the possibility to produce hot water for sanitary use. In such case , storage heating volume allows the generator to regularly work , limiting number of stops due to the inadequate energy request of the heating system. Moreover, it limits the emission of smoke and the creation of corrosive condensate (smoke side).

- Domestic hot water production system for domestic and sanitary use where heating water is stored. In this system , the high potentiality

of the Eco Combi allows to obtain a good production of hot sanitary water even if temperatures of the primary system are not so high (i.e. using heat pumps as primary source and solar source as support).

The particular shape of the corrugated coil is avoiding any problem relating to the storage of domestic hot water and ensure high heat exchange performances.

INSULATION

- HARD: High thermal insulation with ecological polyurethane hard foam. Models 800-1000 available with dismountable hard foam insulation.

- SOFT (Dismountable): NOFIRE® polyester fleece 100% made of recyclable material, with high thermal insulation. Fire resistance class B-s2d0 according to EN 13501.

Grey PVC external lining, complete with top and flange cover.

WARRANTY

5 years (See general sales conditions and warranty)

ACCESSORIES AND SPARE PARTS

See Accessories section for the entire list.



316L STAINLESS STEEL D.H.W. CORRUGATED COIL



ECO-COMBI 2 VB

Model	HARD FOAM INSULATION		316L STAINLESS STEEL CORRUGATED COIL FOR D.H.W. PRODUCTION		LOWER HEAT EXCHANGER		ENERGY EFFICIENCY CLASS
	Art. Nr.	Price €	Volume [lt]	Surface [m²]	Volume [lt]	Surface [m²]	
500	3270162316101	2.461,00	26,6	4,5	11,5	1,9	C
600	3270162316102	2.703,00	31,0	5,3	13	2,1	C
800	3270162316103	3.542,00	33,4	5,8	16,3	2,5	B
1000	3270162316104	4.010,00	45,5	7,8	20,7	3,1	C
1250	3270162316105	5.346,00	45,5	7,8	22,3	3,4	B
1500	3270162316106	5.965,00	55,3	9,5	25,3	3,8	C
2000	3270162316107	7.159,00	72,2	12,3	29,6	4,6	B



ECO-COMBI 2 VC

Model	DISMOUNTABLE SOFT FLEECE INSULATION		316L STAINLESS STEEL CORRUGATED COIL FOR D.H.W. PRODUCTION		LOWER HEAT EXCHANGER		ENERGY EFFICIENCY CLASS
	Art. Nr.	Price €	Volume [lt]	Surface [m²]	Volume [lt]	Surface [m²]	
800	3270162282272	3.292,00	33,4	5,8	16,3	2,5	C
1000	3270162282273	3.726,00	45,5	7,8	20,7	3,1	C
1250	3270162282274	4.945,00	45,5	7,8	22,3	3,4	C
1500	3270162282275	5.492,00	55,3	9,5	25,3	3,8	C
2000	3270162282276	6.385,00	72,2	12,3	29,6	4,6	C

ACCESSORIES

Electric immersion heaters

Available kit:	
[Kw]	Tension [V]
from 1,5 to 3	220 - MONOPHASE
from 4 to 9	400 - THREEPHASE
See accessories	

Thermometer

Art. Nr.	€
5032240000107	117,00
5 units box	



Buffer tanks connecting kit

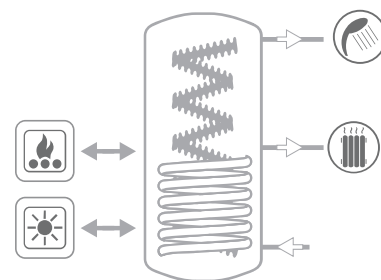
Art. Nr.	€	Connection
5006170001001	168,00	1" 1/2
Stainless steel extensible connecting kit - (200 ÷ 400 mm)		



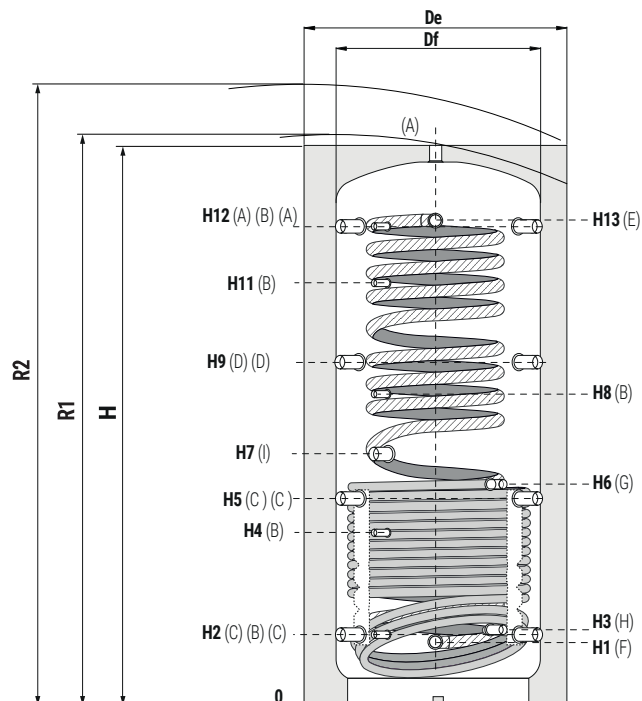
ECO-COMBI 2

MULTI-HEAT ENERGY BUFFER WITH STAINLESS STEEL 316L D.H.W. CORRUGATED COIL
AND 1 FIXED HEAT EXCHANGER

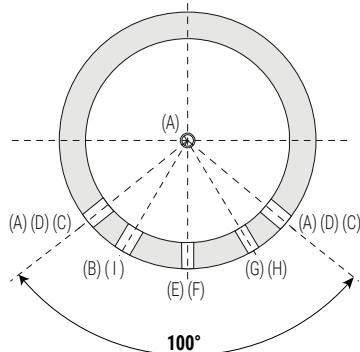
STORAGE		CORRUGATED DHW STAINLESS STEEL COIL	FIXED HEAT EXCHANGER	
Pmax	Tmax	Pmax	Pmax	Tmax
3 bar	99 °C	6 bar	12 bar	110 °C



See TECHNICAL SUPPORT chapter
for example of installation



A	Heating delivery/From generator/Air purge 1" 1/2 G F
B	Probe 1/2" G F
C	Heating return/to generator
D	Heating delivery/From generator 1" 1/2 G F
E	Domestic hot water outlet 1" G
F	Domestic cold water circuit inlet 1" G M
G	Fixed heat exchanger inlet 1" G F
H	Fixed heat exchanger outlet 1" G F
I	Connection for electric immersion heater 1" 1/2 G F



ECO-COMBI 2 VB - HARD FOAM INSULATION

Model	Volume [lt]	Df	De	H	R1	R2	H1	H2	H3	H4	H5	H6	H7	H8	H9	H11	H12	H13
[mm]																		
500	478	//	750	1620	//	1800	230	247	260	533	629	744	841	940	1011	1231	1343	1360
600	560	//	750	1870	//	2025	230	247	260	582	695	855	915	1060	1144	1382	1593	1610
800	803	790	940	1840	1895	2070	248	265	278	584	690	762	823	988	1115	1332	1541	1558
1000	944	790	940	2130	2180	2340	248	265	284	656	787	953	998	1188	1309	1588	1831	1843
1250	1248	//	1100	2202	//	2475	296	313	326	705	835	884	986	1068	1357	1586	1879	1896
1500	1432	//	1100	2250	//	2505	296	313	336	736	845	1006	1061	1286	1377	1653	1909	1921
2000	1970	//	1300	2320	//	2670	330	347	370	770	879	1001	1060	1300	1411	1687	1943	1955

ECO-COMBI 2 VC - DISMOUNTABLE SOFT FLEECE INSULATION

Model	Volume [lt]	Df	De	H	R1	R2	H1	H2	H3	H4	H5	H6	H7	H8	H9	H11	H12	H13
[mm]																		
800	803	790	1010	1840	1895	2100	248	265	278	584	690	762	823	988	1115	1332	1541	1558
1000	944	790	1010	2130	2180	2370	248	265	284	656	787	953	998	1188	1309	1588	1831	1843
1250	1248	900	1120	2202	2262	2475	296	313	326	705	835	884	986	1068	1357	1586	1879	1896
1500	1432	950	1210	2250	2315	2565	296	313	336	736	845	1006	1061	1286	1377	1653	1909	1921
2000	1970	1100	1360	2320	2400	2700	330	347	370	770	879	1001	1060	1300	1411	1687	1943	1955