

ECO-COMBI 1 DOMUS

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



APPLICATION

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

MATERIAL

- **BUFFER TANK:** Mild steel construction with exterior paint. No anti-corrosion treatment required due to the buffer's closed circuit system.
- **D.H.W. STORAGE :** Stainless steel 316L corrugated coil, suitable for D.H.W. according to D. M. n. 174 dated 06.04.04

TECHNICAL DESCRIPTION

Multi-Heat Energy tanks EcoCombi 1 Domus are used in units with a typically discontinuous energy source for double use: heating system and domestic hot water systems.

- Heating system with a biomass generator as energy source, 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 systems. 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 pipe avoids any problem relating to the storage of sanitary hot water and ensures high heat exchange performances.

INSULATION

High thermal insulation with ecological hard polyurethane foam. Grey PVC external lining complete with top cover.

WARRANTY

5 years - See general sales conditions and warranty

ACCESSORIES AND SPARE PARTS

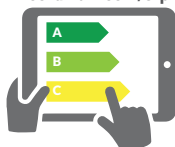
See Accessories section for the entire list.



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



cordivari.com/erp



On line ErP label tool



ECO-COMBI 1 DOMUS VB

Model	HARD FOAM insulation Art. Nr.	316L STAINLESS STEEL CORRUGATED COIL FOR D.H.W. PRODUCTION		ENERGY EFFICIENCY CLASS 
		Volume	Surface	
		[lt]	[m²]	
200	3270162316021	2,9	1,4	B
300	3270162316022	5,1	2,5	B

Model	Max sanitary water produced from 10°C to 45°C with storage at 60°C	Max sanitary water produced from 10°C to 45°C with storage at 50°C
	[lt/min]	[lt/min]
200	11	8
300	23	16

ACCESSORIES

MONOPHASE Electric immersion heaters

	
Available kit:	
[Kw]	Tension [V]
da 1,5 a 3	220 - MONOPHASE
See accessories	

Thermometer

Art. Nr.	
5032240000107	
5 units box	



ECO-COMBI 1 DOMUS

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

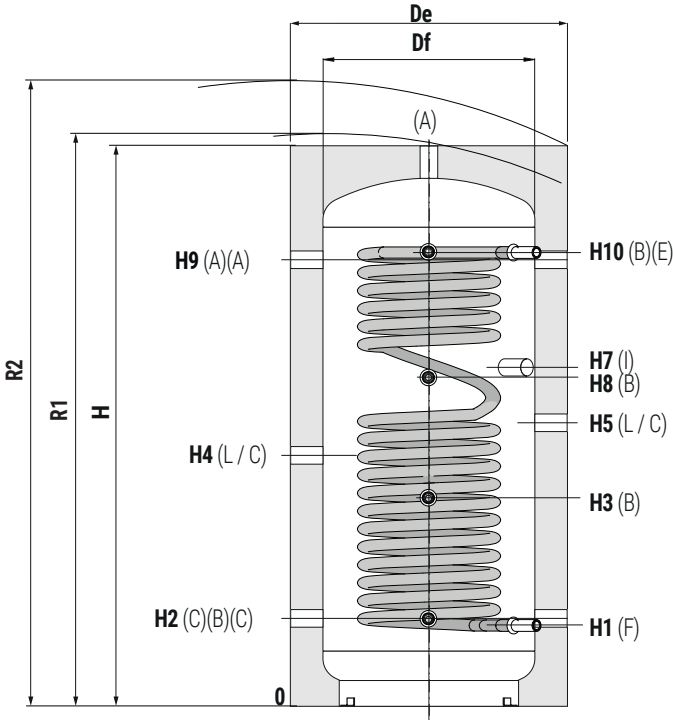
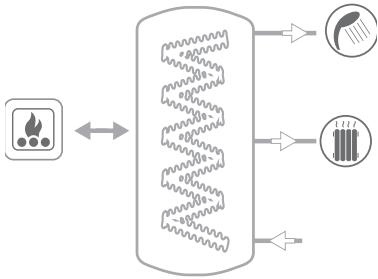
STORAGE		CORRUGATED DHW STAINLESS STEEL COIL
Pmax	Tmax	Pmax
3 bar	99 °C	6 bar



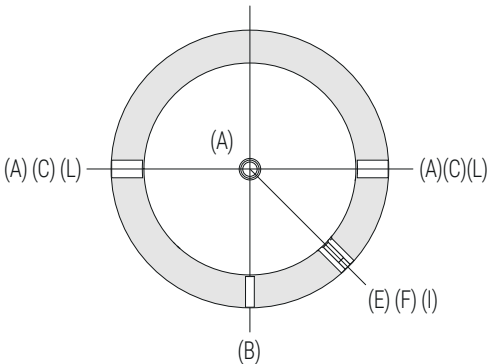
CORDIVARI Lab

TÜV Rheinland Energie und Umwelt GmbH states that test procedures and Cordivari LAB are certified conforming to European standard EN 15332, as indicated by Ecodesign ErP Directive.





A	Heating delivery/From generator/air purge 1"1/2 F
B	Probe 1/2" F
C	Heating return/to generator
E	Domestic hot water circuit outlet 1"
F	Domestic cold water circuit inlet 1" M
I	Connection for electric immersion heater 1"1/2 F
L	Heating delivery 1"1/2 F



Model	Volume [lt]	DE	H	R2	H1	H2	H3	H4	H5	H7	H8	H9	H10
		[mm]											
200	180	590	1310	1445	227	252	552	602	702	852	822	1052	1079
300	279	690	1360	1530	257	272	572	622	722	872	812	1072	1084

P.E.D. product designed and produced in conformity to the article 4.3 of directive 2014/68/UE - ErP Ecodesign directive 2009/125/CE

BUFFER TANKS AND
 MULTIFUEL CILYNDERS

ECO-COMBI 2 DOMUS

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 construction with exterior paint. No anti-corrosion treatment required due to the buffer's closed circuit system.
- 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 Domus are used in units with a typically discontinuous energy source for double use: heating system and domestic hot water systems.

- Heating system with a biomass generator as energy source, 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 systems. 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 pipe avoids any problem relating to the storage of sanitary hot water and ensures high heat exchange performances.

INSULATION

High thermal insulation with ecological hard polyurethane foam. Grey PVC external lining complete with top cover.

WARRANTY

5 years - See general sales conditions and warranty

ACCESSORIES AND SPARE PARTS

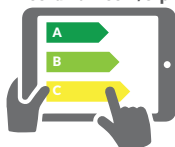
See Accessories section for the entire list.



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



cordivari.com/erp



On line ErP label tool



ECO-COMBI 2 DOMUS VB

Model	HARD FOAM insulation Art. Nr.	316L STAINLESS STEEL CORRUGATED COIL FOR D.H.W. PRODUCTION		HEAT EXCHANGER	ENERGY EFFICIENCY CLASS
		Volume [lt]	Surface [m ²]	Surface [m ²]	
200	3270162282501	2,9	1,4	1	B
300	3270162282502	5,1	2,5	1,2	B

Model	Max solar collectors surface	Max sanitary water produced from 10°C to 45°C with storage at 60°C	Max sanitary water produced from 10°C to 45°C with storage at 50°C
	[m ²]	[lt/min]	[lt/min]
200	5	11	8
300	7,5	23	16

ACCESSORIES

MONOPHASE Electric immersion heaters

	
Available kit:	
[Kw]	Tension [V]
da 1,5 a 3	220 - MONOPHASE
See accessories	

Thermometer

Art. Nr.	
5032240000107	
5 units box	



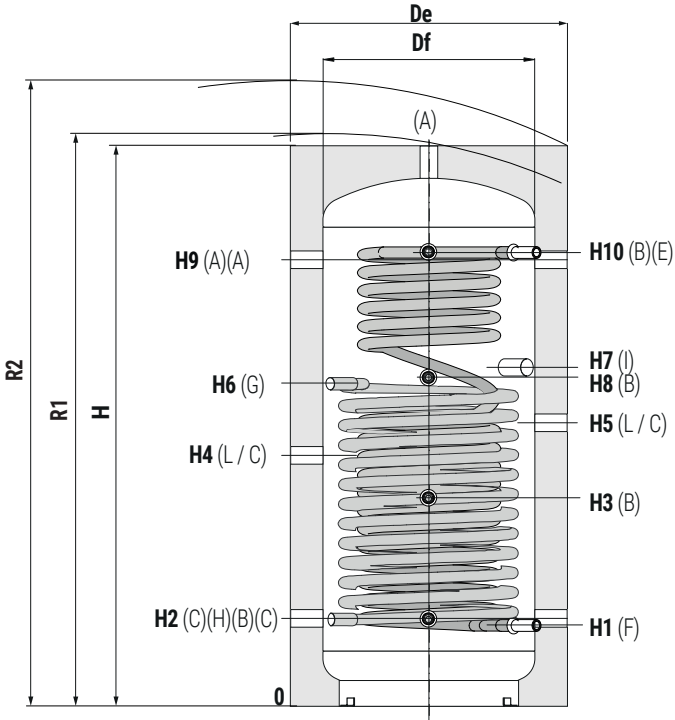
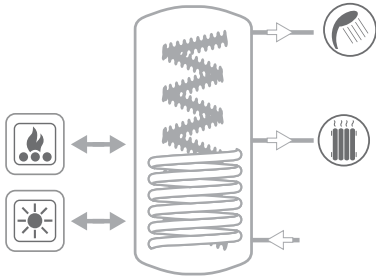
ECO-COMBI 2 DOMUS

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

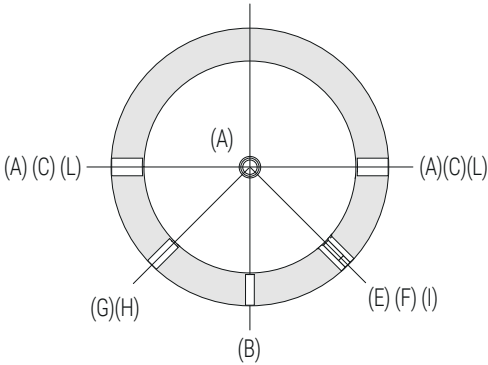
STORAGE	CORRUGATED DHW STAINLESS STEEL COIL	FIXED HEAT EXCHANGER
Pmax Tmax 3 bar 99 °C	Pmax 6 bar	Pmax Tmax 12 bar 110 °C



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F	Domestic cold water circuit inlet 1" M
G	Heat exchanger inlet 1" F
H	Heat exchanger outlet 1" F
I	Connection for electric immersion heater 1"1/2 F
L	Heating delivery 1"1/2 F



Model	Volume [lt]	DE	H	R2	H1	H2	H3	H4	H5	H6	H7	H8	H9	H10
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