

# COMBI 1

MULTI-HEAT ENERGY BUFFER WITH POLYWARM® COATED TANK IN TANK CALORIFIER FOR D.H.W.



## APPLICATION

Heating hot water storage and 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: Mild steel Polywarm® coated (Attestation ACS - SSICA - EN 16421 - WRAS)

## TECHNICAL DESCRIPTION

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

## INSULATION

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

## CATHODE PROTECTION

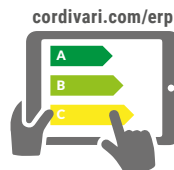
Chain magnesium anode

## WARRANTY

5 years (See general sales conditions and warranty)

## ACCESSORIES AND SPARE PARTS

See Accessories section for the entire list.



On line ErP label tool

## COMBI 1 WB

D.H.W. STORAGE

ENERGY EFFICIENCY CLASS

Model	HARD FOAM insulation Art. Nr.	Volume [lt]	Surface [m²]	ErP CLASS
<b>600</b>	3270162314002	146	1,3	<b>C</b>
<b>800</b>	3270162314003	191	1,6	<b>B</b>
<b>1000</b>	3270162314004	226	1,8	<b>C</b>
<b>1500</b>	3270162314005	412	2,5	<b>C</b>
<b>2000</b>	3270162314006	566	3,1	<b>B</b>



## COMBI 1 WC

D.H.W. STORAGE

ENERGY EFFICIENCY CLASS

Model	DISMOUNTABLE SOFT FLEECE insulation Art. Nr.	Volume [lt]	Surface [m²]	ErP CLASS
<b>1000</b>	3270162284013	226	1,8	<b>C</b>
<b>1500</b>	3270162284014	412	2,5	<b>C</b>
<b>2000</b>	3270162284015	566	3,1	<b>C</b>



AVAILABLE IN STAINLESS STEEL 316L MODELS  
SEE STAINLESS STEEL CHAPTER

## ACCESSORIES

### Thermometer

Art. Nr.	
5032240000107	
5 units box	



### Chain magnesium anode (Connection 3/4")

Art. Nr.	For models
5200000041007	800÷2000
5200000041016	500,600
N° 2 chain anodes + insulated cap + gasket	



### Buffer tanks connecting kit

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



# COMBI 1

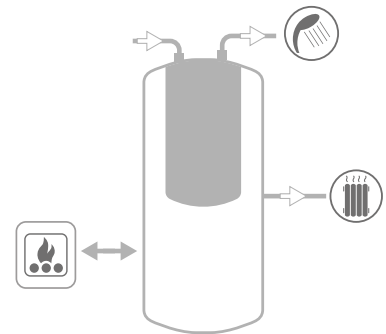
MULTI-HEAT ENERGY BUFFER WITH POLYWARM® COATED TANK IN TANK CALORIFIER FOR D.H.W.

TECHNICAL STORAGE		D.H.W. STORAGE	
Pmax	Tmax	Pmax	Tmax
3 bar	99 °C	6 bar	90 °C

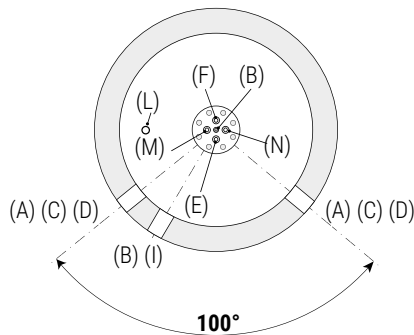
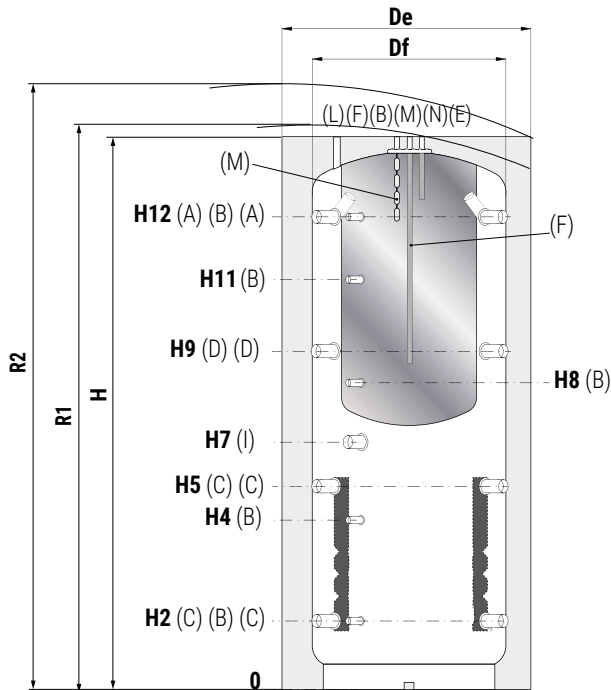


**CORDIVARI** Lab

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.



See TECHNICAL SUPPORT chapter for example of installation



- A** Heating delivery/From generator 1"1/2 G F
- B** Connection for instrumentation 1/2" G F
- C** Heating return/to generator 1"1/2 G F
- D** Heating delivery 1"1/2 G F
- E** Domestic hot water outlet 3/4" G F
- F** Domestic cold water circuit inlet 3/4" G F
- I** Connection for electric immersion heater 1"1/2 G F
- L** Air purge 1/2" G F
- M** Magnesium anode 3/4" G F
- N** Recirculation 3/4" G F



Dismountable insulation

## COMBI 1 WB - HARD FOAM INSULATION

Model	Volume [t]	Df	De	H	R1	R2	H2	H4	H5	H7	H8	H9	H11	H12
		[mm]												
<b>500</b>	478	//	750	1670	//	1835	247	533	629	841	930	1011	1231	1343
<b>600</b>	560	//	750	1920	//	2070	247	582	695	915	1060	1144	1382	1593
<b>800</b>	805	790	950	1855	1900	2120	265	584	690	823	988	1115	1332	1541
<b>1000</b>	946	790	950	2150	2180	2380	265	656	787	998	1188	1309	1588	1831
<b>1500</b>	1454	//	1100	2280	//	2590	313	736	845	1061	1286	1377	1653	1909
<b>2000</b>	1973	//	1300	2345	//	2715	347	770	879	1060	1300	1411	1687	1943

## COMBI 1 WC - DISMOUNTABLE SOFT FLEECE INSULATION

Model	Volume [t]	Df	De	H	R1	R2	H2	H4	H5	H7	H8	H9	H11	H12
		[mm]												
<b>800</b>	805	790	1010	1855	1900	2090	265	584	690	823	988	1115	1332	1541
<b>1000</b>	946	790	1010	2150	2180	2355	265	656	787	998	1188	1309	1588	1831
<b>1500</b>	1454	950	1210	2280	2315	2540	313	736	845	1061	1286	1377	1653	1909
<b>2000</b>	1973	1100	1360	2345	2400	2690	347	770	879	1060	1300	1411	1687	1943