

# PUFFER

## HEATING WATER BUFFER TANK



### APPLICATION

Efficient storage of hot water for heating purpose.

### MATERIAL

Mild steel painted on the outside. Buffer intended for closed circuit installation, so no anti-corrosion treatment is provided.

### TECHNICAL DESCRIPTION

Used to improve flexibility and performance of pellets, stoves and burners. PUFFER are used in units with a typically discontinuous energy source.

Available models with 3 or 6 bar working pressure.

### INSULATION

- HARD: High thermal insulation with ecological polyurethane hard foam.

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

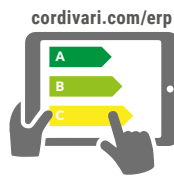
Grey PVC external lining.

### 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



STORAGE	
Pmax	Tmax
6 bar	99 °C



### PUFFER VB 6 BAR

Model	HARD FOAM insulation		ENERGY EFFICIENCY CLASS 
	Art. Nr.	Price €	
<b>500</b>	3251162312531	<b>1.171,00</b>	<b>C</b>



### PUFFER VC 6 BAR

Model	DISMOUNTABLE SOFT FLEECE insulation		ENERGY EFFICIENCY CLASS 
	Art. Nr.	Price €	
<b>800</b>	3251162282611	<b>1.601,00</b>	<b>C</b>
<b>1000</b>	3251162282612	<b>1.771,00</b>	<b>C</b>
<b>1500</b>	3251162282613	<b>2.365,00</b>	<b>C</b>
<b>2000</b>	3251162282614	<b>3.133,00</b>	<b>C</b>
<b>3000</b>	3251162282615	<b>4.202,00</b>	
<b>5000</b>	3251162282616	<b>8.006,00</b>	



### PUFFER VB

Model	HARD FOAM insulation		ENERGY EFFICIENCY CLASS 
	Art. Nr.	Price €	
<b>200</b>	3251162312501	<b>619,00</b>	<b>B</b>
<b>300</b>	3251162312502	<b>768,00</b>	<b>B</b>
<b>500</b>	3251162312503	<b>1.017,00</b>	<b>C</b>
<b>600</b>	3251162312504	<b>1.116,00</b>	<b>C</b>
<b>750</b>	3251162312525	<b>1.374,00</b>	<b>B</b>
<b>800</b>	3251162312526	<b>1.472,00</b>	<b>B</b>
<b>1000</b>	3251162312527	<b>1.617,00</b>	<b>C</b>
<b>1250</b>	3251162312508	<b>2.343,00</b>	<b>B</b>
<b>1500</b>	3251162312509	<b>2.424,00</b>	<b>C</b>
<b>2000</b>	3251162312510	<b>3.159,00</b>	<b>B</b>



### PUFFER VB

Model	DISMOUNTABLE HARD FOAM insulation		ENERGY EFFICIENCY CLASS 
	Art. Nr.	Price €	
<b>750</b>	3251162312505	<b>1.455,00</b>	<b>B</b>
<b>800</b>	3251162312506	<b>1.553,00</b>	<b>B</b>
<b>1000</b>	3251162312507	<b>1.698,00</b>	<b>C</b>



### PUFFER VC

Model	DISMOUNTABLE SOFT FLEECE insulation		ENERGY EFFICIENCY CLASS 
	Art. Nr.	Price €	
<b>750</b>	3251162282804	<b>1.230,00</b>	<b>C</b>
<b>800</b>	3251162282805	<b>1.293,00</b>	<b>C</b>
<b>1000</b>	3251162282806	<b>1.432,00</b>	<b>C</b>
<b>1500</b>	3251162282807	<b>2.151,00</b>	<b>C</b>
<b>2000</b>	3251162282808	<b>2.675,00</b>	<b>C</b>
<b>3000</b>	3251162282608	<b>3.491,00</b>	
<b>5000</b>	3251162282610	<b>5.825,00</b>	

## ACCESSORIES

### Thermometer

Art. Nr.	€
5032240000107	<b>107,00</b>

5 units box



### Buffer tanks connecting kit

Art. Nr.	€	Connection
5006170001001	<b>154,00</b>	1" 1/2

Stainless steel extensible connecting kit - (200 ÷ 400 mm)



# PUFFER

## HEATING WATER BUFFER TANK

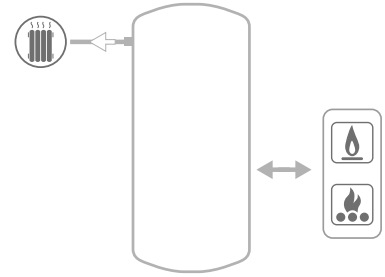
### STORAGE

P <sub>max</sub>	T <sub>max</sub>
3 bar	99 °C

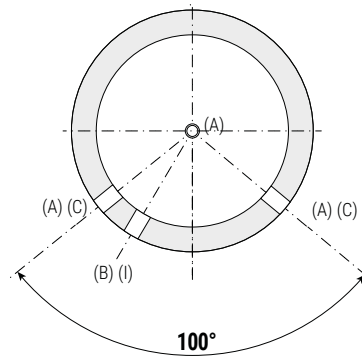
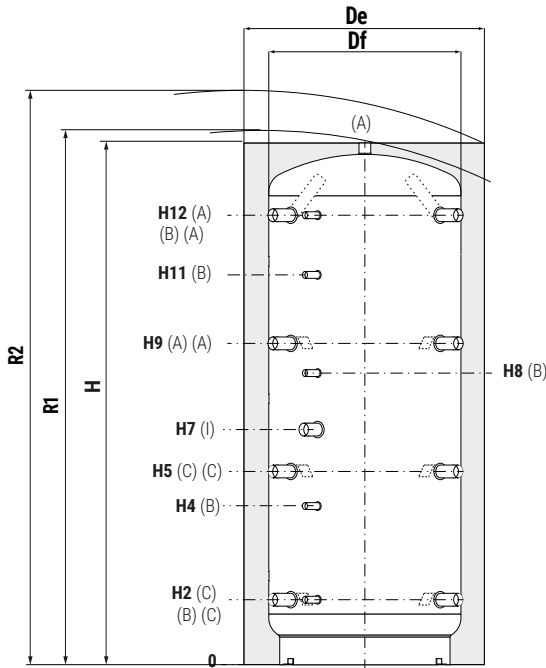


**CORDIVARI** Lab

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



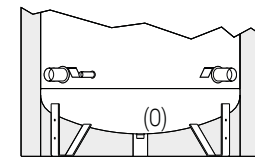
**A** Heating delivery/from generator

**B** Connection for instrumentation 1/2" G F

**C** Heating return/to generator

**I** Connection for electric immersion heater.

**O** Drain only for models 3000 e 5000



Standard supporting feet for models 3000 and 5000. Drain welded on the bottom.

Model	Volume [lit]	Df (vers. VC)	De (vers. VC)	De (vers. VB)	H	R1	R2	H2	H4
		[mm]		[mm]					
200	180	//	//	550	1299	//	1415	218	430
300	279	//	//	650	1340	//	1495	232	444
500	478	//	//	750	1620	//	1790	247	533
600	560	//	//	750	1870	//	2020	247	582
750	717	790	1010	950	1658	1710	1915	265	584
800	805	790	1010	950	1840	1890	2075	265	584
1000	946	790	1010	950	2130	2175	2340	265	656
1250	1248	//	//	1050	2201	//	2445	313	705
1500	1454	950	1210	1100	2250	2305	2510	313	736
2000	1973	1100	1360	1300	2320	2390	2665	347	770
3000	2915	1250	1450	//	2814	2890	3170	556	1017
5000	4985	1600	1800	//	2929	3045	3445	586	1047

Model	H5	H7	H8	H9	H11	H12	A - C - I		O
							Connections F		
200	500	576	711	782	871	1064	1"1/2	//	
300	514	590	725	796	885	1078	1"1/2	//	
500	629	841	930	1011	1231	1343	1"1/2	//	
600	695	915	1060	1144	1382	1593	1"1/2	//	
750	630	823	938	995	1180	1371	1"1/2	//	
800	690	823	988	1115	1332	1541	1"1/2	//	
1000	787	998	1188	1309	1588	1831	1"1/2	//	
1250	835	986	1168	1357	1568	1879	1"1/2	//	
1500	845	1061	1286	1377	1653	1909	1"1/2	//	
2000	879	1060	1300	1411	1687	1943	1"1/2	//	
3000	1071	1693	1879	1786	2140	2402	2"	1"	
5000	1101	1691	1889	1816	2159	2432	2"	2"	

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 AND  
COMBINED TANKS

# PUFFER COMPACT

HEATING WATER BUFFER TANK SUITABLE FOR LOW-CEILINGED ROOMS



## APPLICATION

Efficient storage of heating hot water mostly using biomass, heat pumps or solar thermal energy sources.

## MATERIAL

Mild steel painted on the outside. Buffer intended for closed circuit installation, so no anti-corrosion treatment is provided.

## TECHNICAL DESCRIPTION

Used to improve flexibility and performance of pellets, stoves and burners. PUFFER COMPACT are used in units with a typically discontinuous energy source. Suitable for low-ceilinged rooms.

## INSULATION

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

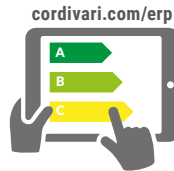
Grey PVC external lining.

## WARRANTY

5 years - See general sales conditions and warranty

## ACCESSORIES AND SPARE PARTS

See Accessories section for the entire list.



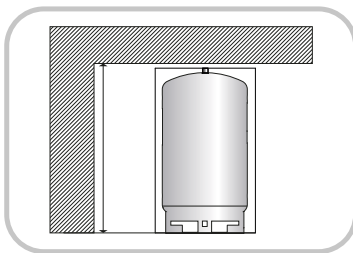
On line ErP label tool



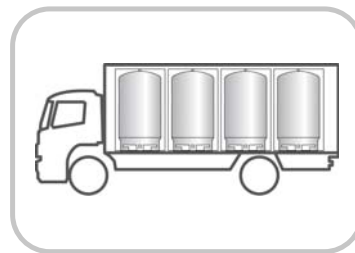
## PUFFER COMPACT VC

### DISMOUNTABLE HARD FOAM insulation

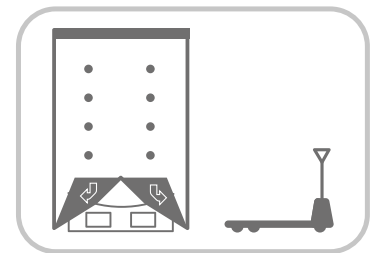
Model	Art. Nr.	Price €
2500	3251162280370	<b>3.370,00</b>
3000	3251162282658	<b>4.935,00</b>
4000	3251162282659	<b>5.678,00</b>
4500	3251162282660	<b>7.626,00</b>
5000	3251162282661	<b>8.119,00</b>
6000	3251162282662	<b>9.130,00</b>
8000	3251162282663	<b>9.346,00</b>



SUITABLE FOR  
LOW-CEILINGED ROOMS



EASY TO  
TRANSPORT



EASY TO MOVE

## ACCESSORIES

### Thermometer

Art. Nr.	€	
5032240000107	<b>107,00</b>	
5 units box		

# PUFFER COMPACT

HEATING WATER BUFFER TANK SUITABLE FOR LOW-CEILINGED ROOMS

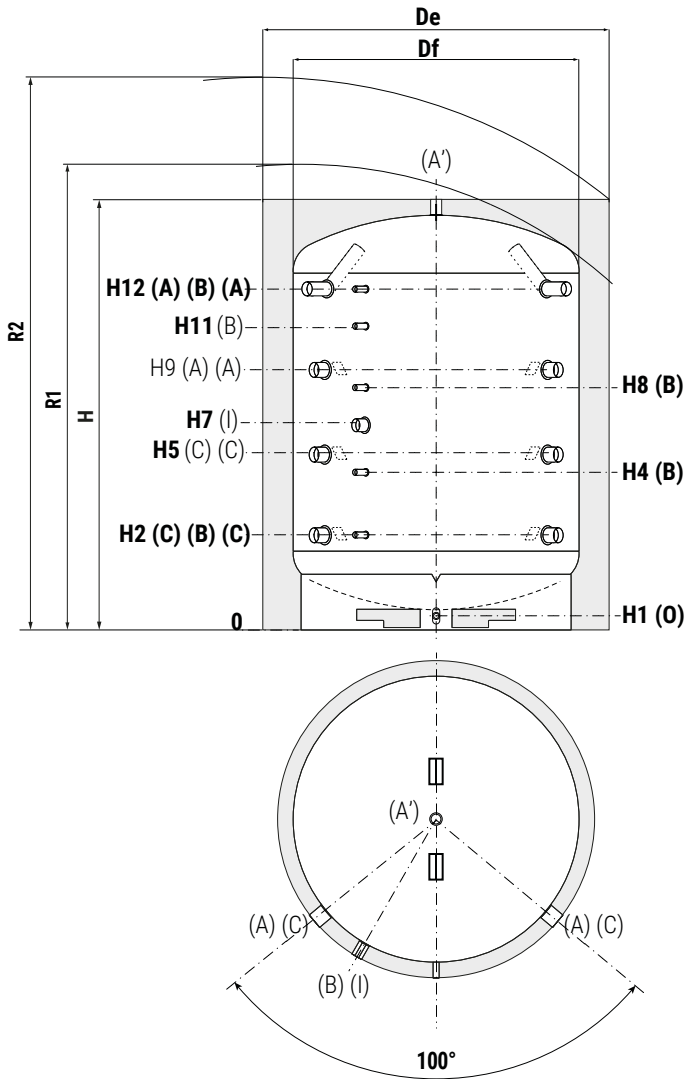
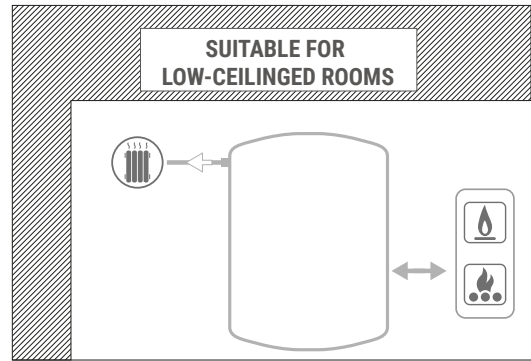
## STORAGE

P <sub>max</sub>	T <sub>max</sub>
3 bar	99 °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.



<b>A'</b>	Heating delivery
<b>A</b>	Heating delivery/from generator
<b>B</b>	Connection for instrumentation 1/2" G F
<b>C</b>	Heating return/to generator
<b>I</b>	Connection for electric immersion heater.
<b>O</b>	Drain

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 AND COMBINED TANKS

Model	Volume [lt]	Df	De	H	R1	R2	H1	H2	H4
<b>2500</b>	2306	1250	1450	2351	2465	2770	140	556	886
<b>3000</b>	3017	1500	1700	2180	2372	2770	109,5	567	841
<b>4000</b>	3986	1600	1800	2456	2643	3050	94,5	574	910
<b>4500</b>	4411	1800	2000	2230	2565	3000	90	582	856
<b>5000</b>	5042	1800	2000	2480	2758	3190	90	583	919
<b>6000</b>	5672	1800	2000	2730	2960	3390	90	605	1005
<b>8000</b>	7564	1800	2000	3480	3650	4020	90	606	1066

Model	H5	H7	H8	H9	H11	H12	A - C	A' - I	O
<b>2500</b>	996	1051	1216	1436	1546	1876	1 1/2"	1 1/2"	-
<b>3000</b>	932	1252	1115	1297	1389	1662	2"	2"	1"
<b>4000</b>	1022	1414	1246	1470	1582	1918	2"	2"	1"
<b>4500</b>	947	1267	1130	1312	1404	1677	2"	2"	1"
<b>5000</b>	1031	1423	1255	1479	1591	1927	2"	2"	1"
<b>6000</b>	1114	1295	1535	1646	1922	2155	3"	2"	1"
<b>8000</b>	1372	1526	1986	2138	2446	2904	3"	2"	1"

# PUFFER FLANGED CONNECTIONS

## HEATING WATER BUFFER TANKS WITH 90° AND 180° FLANGED CONNECTIONS



### APPLICATION

Efficient storage of heating hot water mostly using biomass, heat pumps or solar thermal energy sources.

### MATERIAL

Mild steel painted on the outside. Buffer intended for closed circuit installation, so no anti-corrosion treatment is provided.

### TECHNICAL DESCRIPTION

Used to improve flexibility and performance of pellets, stoves and burners. PUFFER FLANGED are used in units with a typically discontinuous energy source.

PUFFER FLANGED have been conceived for medium/large biomass heating plants where flanged connections are required.

PUFFER FLANGED have reduced height for maximum installation flexibility.

### INSULATION

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.

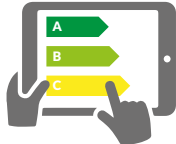
### WARRANTY

5 years - See general sales conditions and warranty

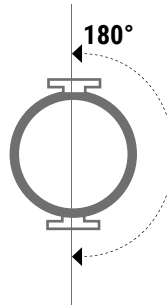
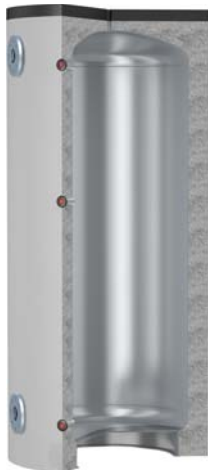
### ACCESSORIES AND SPARE PARTS

See Accessories section for the entire list.

cordivari.com/erp



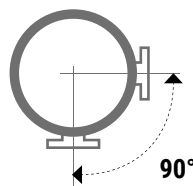
On line ErP label tool



### PUFFER FLANGIATI VC (180°)

DISMOUNTABLE SOFT FLEECE insulation

Model	Art. Nr.	Price €
2500	3251162282680	3.661,00
3000	3251162282681	5.683,00
4000	3251162282682	6.495,00
4500	3251162282683	8.527,00
5000	3251162282684	9.014,00
6000	3251162282685	9.832,00
8000	3251162282686	10.612,00
10000	3251162282620	15.603,00
12000	3251162282621	17.241,00
20000	3251162282697	23.481,00



### PUFFER FLANGIATI VC (90°)

DISMOUNTABLE SOFT FLEECE insulation

Model	Art. Nr.	Price €
2500	3251162282690	3.661,00
3000	3251162282691	5.683,00
4000	3251162282692	6.495,00
4500	3251162282693	8.527,00
5000	3251162282694	9.014,00
6000	3251162282695	9.832,00
8000	3251162282696	10.612,00
10000	3251162282622	15.603,00
12000	3251162282623	17.241,00
20000	3251162282698	23.481,00

## ACCESSORIES

### Thermometer

Art. Nr.	€
5032240000107	107,00
5 units box	



# PUFFER FLANGED CONNECTIONS

## HEATING WATER BUFFER TANKS WITH 90° AND 180° FLANGED CONNECTIONS

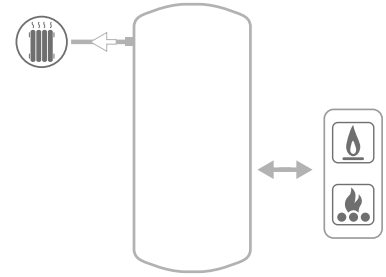
### STORAGE

P <sub>max</sub>	T <sub>max</sub>
3 bar	99 °C



**CORDIVARI** Lab

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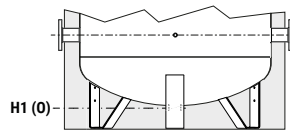
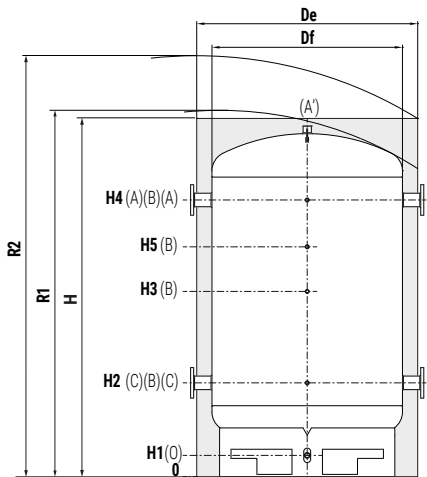


**180° flanged connections**

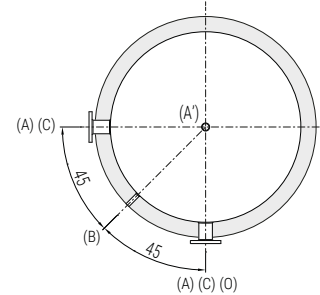
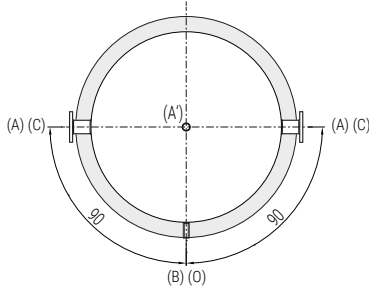
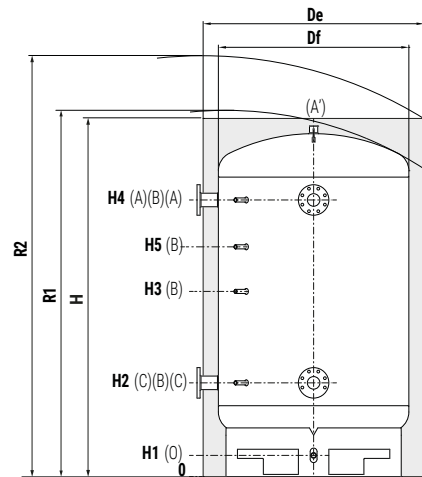
- A' Heating delivery
- A Heating delivery/from generator
- B Connection for instrumentation 1/2" G F
- C Heating return/to generator
- O Drain



**90° flanged connections**



Standard supporting feet for models > 8000



BUFFER AND COMBINED TANKS

Model	Volume [lt]	Df	De	H	R1	R2	H1	H2	H3	H4	H5	Connections F		
												A - C	A'	O
<b>2500</b>	2306	1250	1450	2351	2460	2770	140	616	1216	1816	//	PN16 DN80	1 1/2"	1"
<b>3000</b>	3017	1500	1700	2180	2375	2770	109	640	1115	1590	//	PN16 DN80	2"	1"
<b>4000</b>	3986	1600	1800	2456	2655	3050	95	646	1246	1846	//	PN16 DN80	2"	1"
<b>4500</b>	4411	1800	2000	2230	2560	3000	89	655	1130	1605	//	PN16 DN80	2"	1"
<b>5000</b>	5042	1800	2000	2480	2755	3190	89	675	1255	1835	//	PN16 DN100	2"	1"
<b>6000</b>	5672	1800	2000	2730	2985	3390	89	675	1380	2085	//	PN16 DN100	2"	1"
<b>8000</b>	7564	1800	2000	3480	3665	4020	89	675	1705	2835	//	PN16 DN100	2"	1"
<b>10000</b>	10455	2200	2200	3916	4180	4500	191	826	1636	3256	2446	PN16 DN100	2"	2"
<b>12000</b>	12010	2200	2200	4461	4650	4980	191	826	1803	3756	2779	PN16 DN100	2"	2"
<b>20000</b>	19984	2400	2600	5060	5240	5695	140	840	1990	3140	4290	PN16 DN100	2"	2"