

**11-0109**



**Z S1**



**Z S2**

# **SERIES**

## **Z S1 - Z S2**

**galvanized**  
**with one or two removable**  
**heat exchanger/s**



# SERIE Z S1 - Z S2



Vertical or horizontal\*\* hot galvanized calorifiers with one or two removable copper or stainless steel heat exchanger/s for hot sanitary water production by heat exchange with heating water and solar circuit for models S1 and also with overheated water and steam 1 bar.

Entirely insulated with flexible removable polyurethane 50 mm. thick, red PVC external finishing.

Gaskets in food stuff rubber and thermometer. Cathode protection with magnesium anode/s.

Maximum working pressure: primary 8 bar – secondary 6 bar

Maximum storage temperature: 60°C

Product CE approved according to P.E.D. norm 97/23/CE paragraph 3.3.

## Dimensions and characteristics

Z S1											
Capacity l	SILE SOLE RT solar panels combina- ble n°	Power of heat exchanger with storage 15+50°C, primary at av.t°80°C & Δt 10°C kW	Power of heat exchanger with storage 15+50°C, primary at av.t°70°C & Δt 10°C kW	Power of heat exchanger with steam at 1 bar storage 15+50°C, primary at 115°C kW	Capacity heat exchanger l	Hot sanitary water production with storage 15+50°C, primary at av. t° 80°C and Δt 10°C			ØA	B	ØC
						Continuous Δt 30°C l/min	Δt 35°C in the first 12 min. l	Δt 35°C in the first hour l			
300	1	32	29	78	5	15,3	439	1056	650	1477	300
500	2	32	29	78	5	15,3	628	1246	750	1750	300
1000	8	64	58	157	10	30,6	1258	2491	900	2217	380
1500	12	96	86	232	14	45,9	1887	3737	1100	2199	380
2000	16	96	86	232	14	45,9	2362	4212	1200	2419	380
3000	24	160	144	389	21	76,4	3621	6703	1400	2635	380
5000	40	256	230	621	33	122,3	5983	10915	1700	2950	430
5000 C*	/	256	230	621	33	122,3	5983	10915	1700	2900	430
10000 C*	/	256	230	621	33	122,3	5983	10915	1700	5300	430

\* version C "Tannery" with higher thickness and maximum primary and secondary working pressure 8 bar.

\*\* version HORIZONTAL on request

Z S2															
Capacity l	SILE SOLE RT solar panels combina- ble n°	SOLAR HEAT EXCHANGER					HEAT EXCHANGER OF HEATING INTEGRATION					ØA	B	ØC	ØD
		Power of heat exchanger with storage 15+50°C primary at av.t°80°C & Δt 10°C kW	Power of heat exchanger with storage 15+50°C primary at av.t°70°C & Δt 10°C kW	Exchange surface m²	Capacity heat exchanger l	Load loss at av. t° 80°C & Δt 10°C mbar	Power heat exchanger storage 15+50°C primary at av.t°80°C & Δt 10°C kW	Power heat exchanger storage 15+50°C primary at av.t°70°C & Δt 10°C kW	Exchange surface m²	Capacity heat exchanger l	Load loss carico mbar				
1000	8	64	58	2	10	25	51	43	1,5	8	20	900	2217	380	300
1500	12	96	86	3	14	35	51	43	1,5	8	20	1100	2199	380	300
2000	16	96	86	3	14	35	51	43	1,5	8	20	1200	2419	380	300
3000	24	160	144	5	21	75	102	86	3	14	35	1400	2635	380	380
5000	40	256	230	8	33	85	171	144	5	21	75	1700	2950	380	380

Capacity l	Ø connections							
	only Z S1		Z S1 - Z S2				only Z S2	
	e1 - u1	e2	u2	r	sc	e1 - u1	es - us	
300	1"	1"	1"	3/4"	1"	/	/	
500	1"	1"1/4"	1"	3/4"	1"	/	/	
1000	2"	1"1/2"	1"1/2"	3/4"	1"	1"	2"	
1500	2"	1"1/2"	1"1/2"	3/4"	2"	1"	2"	
2000	2"	2"	2"	3/4"	2"	1"	2"	
3000	2"	2"	2"	1"	2"	2"	2"	
5000	2"	2"	2"	1"	2"	2"	2"	
5000 C	2"	2"	2"	1"	2"	/	/	
10000 C	2"	2"	2"	1"	2"	/	/	

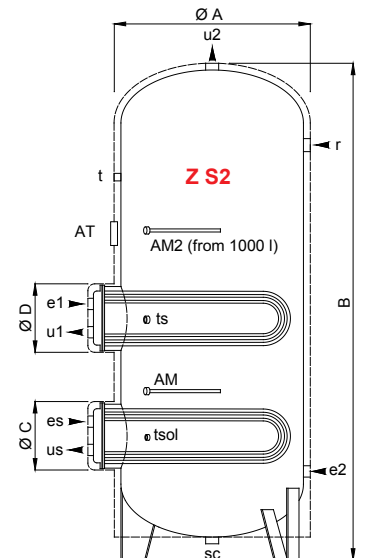
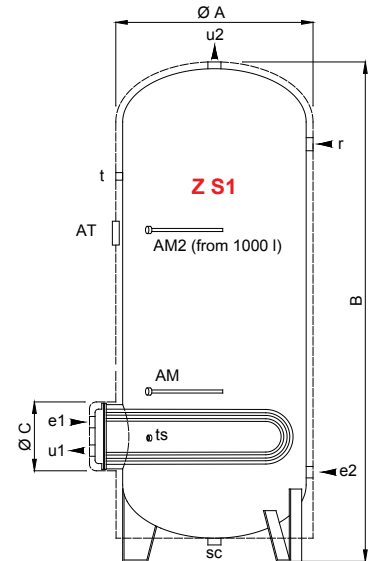
## Centralina di verifica usura anodi

The Z series storage calorifiers are preset for the application of the board of anode's check (optional).

This board checks the magnesium anodes' status and it works without any external electrical supply.



Board for anode's check



### Legend of connections:

- e1 primary inlet
- u1 primary outlet
- e2 secondary inlet
- u2 secondary outlet
- es primary inlet
- us primary outlet
- r recirculation
- sc drain
- t thermometer
- ts thermostat
- tsol solar thermostat
- AM magnesium anode
- AM2 2"magnesium anode
- AT board for anode's check (opt.)



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