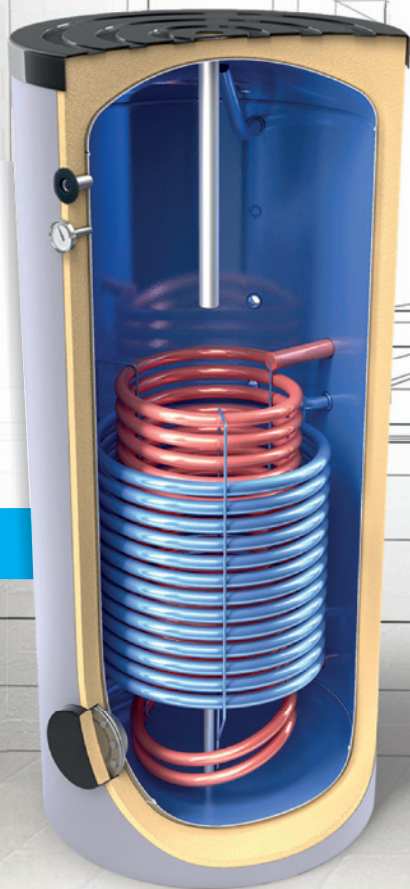


IHWTs for Solar/Boiler systems in parallel mode

- Floor-standing water tank for domestic hot water with two integrated high output heat exchangers
- Volume 200, 300, 400, 500 l
- Option to connect to two separate heat sources, heat pump installation or condensing boiler

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maximum comfort



PRO

PROFI LINE

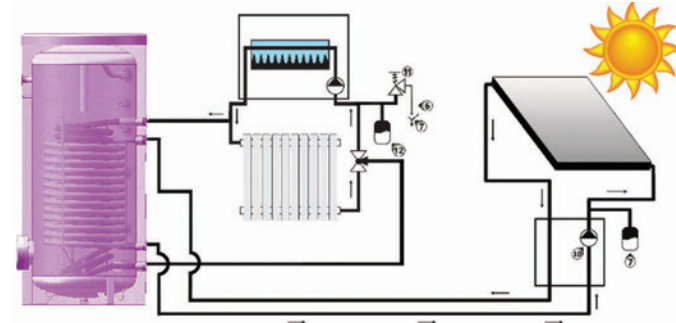
- Helps **reduce electricity costs**¹ without changing the amount of hot water²
- Effectively heats the full volume of water **with two built-in heat exchangers** with large surface
- Suitable for working **with two energy sources**
- Technology for **efficient**³ **high density PU insulation**⁴ developed to keep the water hot for longer period of time⁵ and to help reducing heat losses.
- CrystalTech PRO **High-quality**⁶ **enamel coating** that promotes longer life⁷.
- Anode protectors for **additional anti-corrosion protection** of the water tank⁸
- Robotic welding technology that achieves quality welding⁹.
- Option to install different in power stainless steel heating elements
- **Service opening** for easy cleaning and maintenance
- Recirculation opening
- **5 years** warranty¹⁰ of the water tank



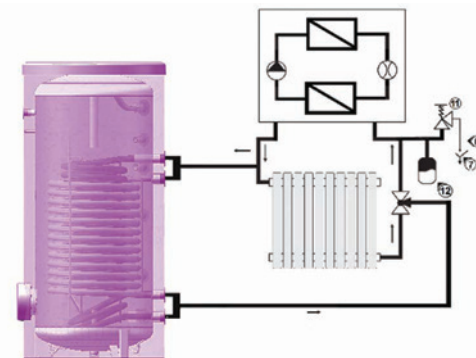
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1 - Only when the appliance is connected to a solar installation and not connected to electricity
 2 - Compared to cases where the same appliance is connected to the electricity for the same period
 3 - insulation corresponding to energy class A + / A / B / C (according to the model of the appliance)
 4 - Polyurethane foam
 5 - Compared to TESY appliances
 6 - Enamel coating according to DIN 4753-3: 2017, clauses: 6.4.3 (acid resistance), 6.5 (hygiene safety), 6.6 (stability)
 7 - When used correctly according to the manufacturer's instructions Life expectancy may vary according to natural and other external factors beyond the control of the manufacturer
 8 - when used correctly according to the manufacturer's instructions. Defectiveness may vary according to natural and other factors beyond the control of the manufacturer
 9 - The water tank of the appliance is designed according to the requirements of BDS EN 12897: 2016
 10 - Begins from the date of purchase of the appliance and applies only to the water tank of the appliance, as an independent part of the appliance, does not affect or be affected by the other warranty periods / contract of sale / purchase

Two integrated heat exchangers with similar heat transfer surface, allowing connection to two heat sources

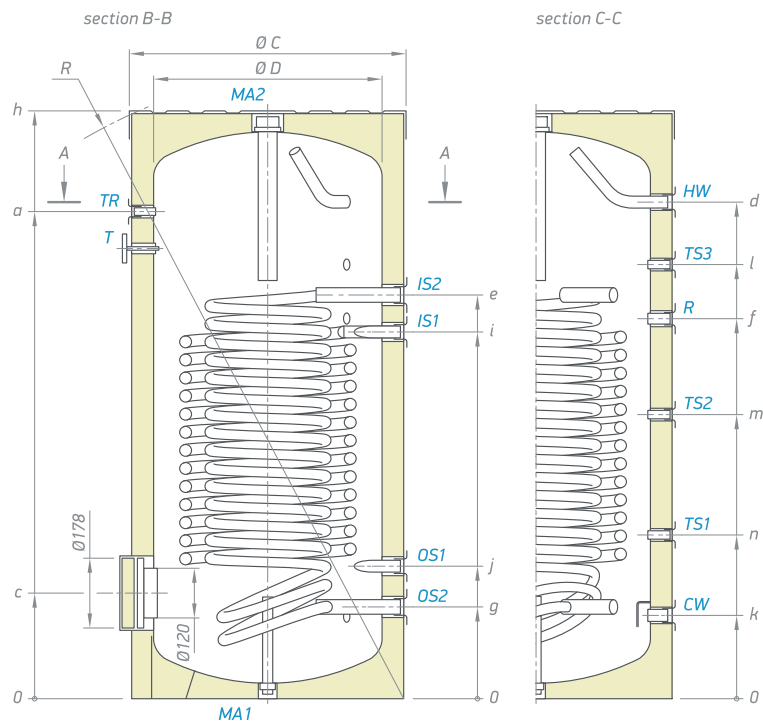


Option to connect to heat pump installation or condensing boiler



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Drawings and Dimensions



SAP	NAME	200	300	400	500
R	Recirculation	G ¾"	G ¾"	G ¾"	G ¾"
TS 1,2,3	Thermo pocket	G ½"	G ½"	G ½"	G ½"
TR	Thermoregulator	G ½"	G ½"	G ½"	G ½"
CW	Cold water inlet	G 1"	G 1"	G 1"	G 1"
IS1	Heat exchanger inlet 1	G 1"	G 1"	G 1"	G 1"
OS1	Heat exchanger outlet 1	G 1"	G 1"	G 1"	G 1"
IS2	Heat exchanger inlet 2	G 1"	G 1"	G 1"	G 1"
OS2	Heat exchanger outlet 2	G 1"	G 1"	G 1"	G 1"
HW	Hot water outlet	G 1"	G 1"	G 1"	G 1"
MA1	Magnesium anode 1	G ¾"	G ¾"	G ¾"	G ¾"
MA2	Magnesium anode 2	G 1 ½"	G 1 ½"	G 1 ½"	G 1 ½"

SAP	NAME	a	c	d	e	f	g	h
304998	EV 9S+13S 200 60	996	274	996	803	781	204	1197
304892	EV 13S+17S 300 65	1184	273	1208	963	923	203	1420
304997	EV 12S+17S 400 75	1168	272	1171	980	1059	215	1400
304996	EV 12S+17S 500 75	1447	282	1447	990	1062	225	1670

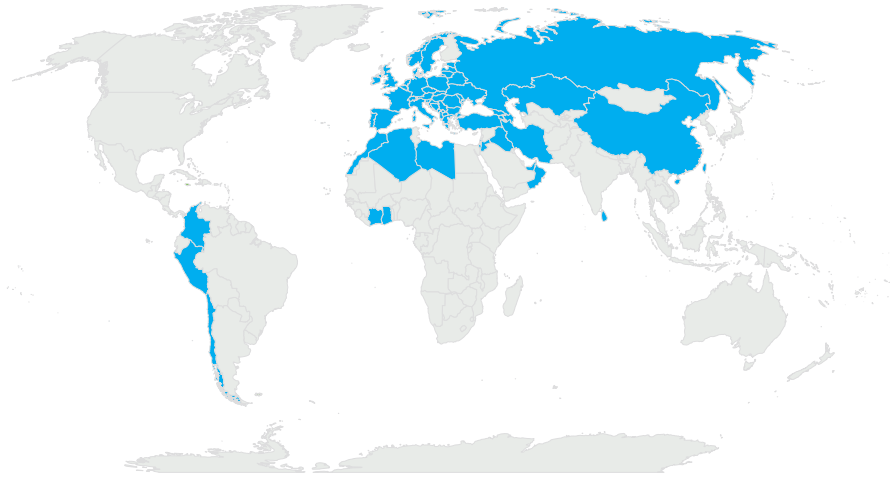
SAP	NAME	i	j	l	m	n	R	ØC	ØD
304998	EV 9S+13S 200 60	697	310	897	633	360	1340	600	500
304892	EV 13S+17S 300 65	866	307	1055	691	398	1560	650	550
304997	EV 12S+17S 400 75	856	340	1059	778	448	1590	750	650
304996	EV 12S+17S 500 75	866	350	1262	864	467	1833	750	650



Art. number	Model	Volume [l]	Weight [kg]	Insulation [mm]	Heat exchanger surface (S1/S2/S1+S2) [m ²]	Heat exchanger data (S1/S2/S1+S2) kW S1 - 60-80°C kW S1 - 50-60°C
304998	EV 9S+13S 200 60	187	85	50	0.95/0.92/1.87	26.4/25.3/51.9 13.6/12.4/27.0
304892	EV 13S+17S 300 65	275	112		1.55/1.45/3	44.4/40.9/86.9 23.3/21.3/44.8
304997	EV 12S+17S 400 75	372	147		1.8/1.95/3.75	39.9/46.0/89.7 20.8/24.0/46.7
304996	EV 12S+17S 500 75	462	164		1.8/1.95/3.75	44.6/51.1/97.5 24.4/25.6/50.1

Art. number	Model	V40(S1/S2/S1+S2) [l]	Max to C in WT [°C]	Max to C in heat exch. [°C]	Max pressure in WT [Mpa]	Max pressure in heat exch. [Mpa]
304998	EV 9S+13S 200 60	265/288/288	95	110	8	8
304892	EV 13S+17S 300 65	382/405/417	95			
304997	EV 12S+17S 400 75	530/550/555	91			
304996	EV 12S+17S 500 75	691/715/724	95			

IHWTs for Solar/Boiler systems in parallel mode	EV 9S+13S 200 60 (SAP: 304998)	EV 13S+17S 300 65 (SAP: 304892)	EV 12S+17S 400 75 (SAP: 304997)	EV 12S+17S 500 75 (SAP: 304996)
Energy efficiency class	B	B	C	C
Maximum operational temperature	95 °C	95 °C	91 °C	95 °C
Capacity	187 L	275 L	372 L	462 L
Continuous flow rate of DHW at ΔT 35°C (S1) *60-80 / 50-60°C	652 / 335 L/h	1096 / 570 L/h	992 / 510 L/h	1099 / 603 L/h
Continuous flow rate of DHW at ΔT 35°C (S2) *60-80 / 50-60°C	622 / 305 L/h	1010 / 524 L/h	1146 / 596 L/h	1266 / 629 L/h
Continuous flow rate of DHW at ΔT 35°C (S1+S2) *60-80 / 50-60°C	1281 / 671 L/h	2141 / 1101 L/h	2192 / 1152 L/h	2410 / 1244 L/h
Heat losses ΔT 45K [W]	59	68	68	95
Rated pressure of the water tank	8 bar	8 bar	8 bar	8 bar
Net weight	85 kg	112 kg	147 kg	164 kg
Exchanged power in continuous mode (max coil output) S1 *60-80/50-60°C [kW]	26.4 / 13.6	45 / 23	40 / 21	45 / 24
Exchanged power in continuous mode (max coil output) S2 *60-80/50-60°C [kW]	25.3 / 12.4	41 / 21	46 / 24	51 / 26
Exchanged power in continuous mode (max coil output) S1+S2 *60-80/50-60°C [kW]	51.9 / 27	87 / 45	90 / 47	98 / 50
V40 - hot water delivered with a temperature of at least 40°C (S1)	265 L	382 L	530 L	691 L
V40 - hot water delivered with a temperature of at least 40°C (S2)	288 L	405 L	550 L	715 L
V40 - hot water delivered with a temperature of at least 40°C (S1+S2)	288 L	417 L	555 L	724 L
Heat exchanger capacity S1 [m ²]	5.8	9.5	11.0	11.0
Heat exchanger capacity S2 [m ²]	5.6	8.8	11.5	11.5
Heat exchanger capacity S1+S2 [m ²]	11.4	18.3	22.5	22.5
Heat exchanger surface S1 [m ²]	0.95	1.55	1.8	1.8
Heat exchanger surface S2 [m ²]	0.92	1.45	1.95	1.95
Heat exchanger surface S1+S2 [m ²]	1.87	3	3.75	3.75
Rated pressure of the heat exchangers	8 bar	8 bar	8 bar	8 bar
Maximum operational temperature of the heat exchangers	110 °C	110 °C	110 °C	110 °C
Insulation (rigid PU)	50 mm	50 mm	50 mm	50 mm
Dimensions - height(h) / diameter(d) [mm]	1197 / 600	1420 / 650	1400 / 750	1670 / 750



**MORE THAN
55 COUNTRIES**

**MORE THAN
840 EMPLOYEES**

4 CONTINENTS

4 FACTORIES

TESY
It's impressive

ABOUT TESY

TESY is one of the leading European producers of **electric storage water heaters, indirectly heated water tanks** and **electric heating appliances**.

In the last decade TESY showed a rapid development and introduced to the world a wide range of cutting-edge products and patented solutions that meet the current requirements for energy efficiency and environmental protection.

The company continues its development by investing in the latest technologies, its production expanding and launching new product offering.



MISSION

We set our hearts and minds on bringing warmth into your life.



VISION

Raising the bar in our industry, to be globally recognised as a leader of innovation and design in hot water and heating solutions. More comfort with a single touch.



VALUES

➤ PASSION

We are a passionate team of enthusiastic professionals with ambitious goals. Leading by example, we create a culture that inspires people to go the extra mile. We put our hearts and minds in everything we do to embrace dynamic change.

➤ INNOVATION

TESY people are open-minded, eager to learn and inspired to create. Challenging the status quo, we employ the latest technologies in supreme functionality and impressive design.

➤ TRUST

The shared vision for openness and integrity is the core virtue of TESY's long-term partnerships. Supportive, loyal and trustful, we offer reliable products and service quality with respect for the individual.





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