

TSA -02



INDIRECT WATER HEATER

Bivalent 200 to 500
(floor-standing)

- Dedicated for two heat sources
- Elliptical pipe heat exchanger
- 1 1/2" sleeve at 50 % of capacity

Bivalent TSA ranges combine gas, oil and wood boiler with renewable energy from solar thermal system to ensure daily comfort of domestic hot water for a full family. Thanks to innovative elliptical heat exchanger design, heat exchanger has a customized surface per capacity.



Comfort

- Daily hot water for guaranteed comfort
- Built-in thermometer enables instant tank water temperature display



Installation

- Front-accessible 1 1/2" sleeve and flange for electric accessories
- Lateral hot water connection
- PVC jacket factory equipped



Durability

- Outstanding enamel quality challenged by third party audit
- Magnesium anode (according DIN 4753-3) for better tank protection



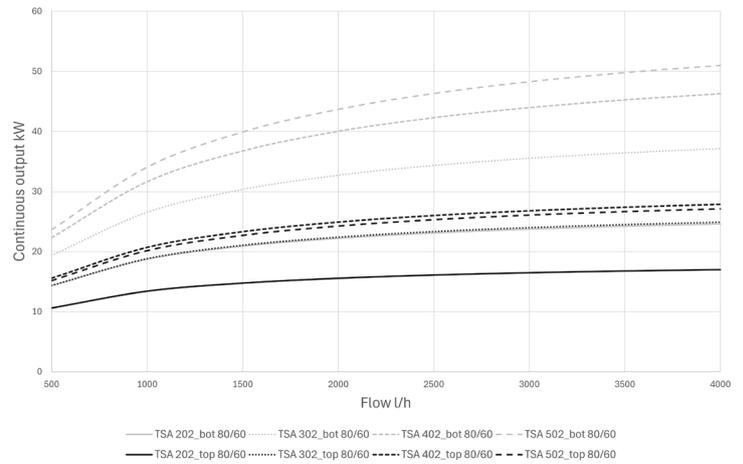
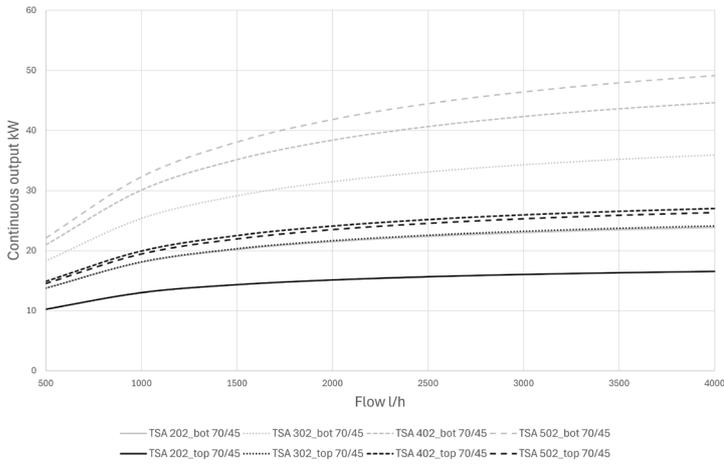
Energy savings

- ERP class B for full range
- Additional insulation for flange to reduce heat losses

Technical specifications

Model	Capacity (L)	Surface bot./top (m ²)	Max. working pressure / temperatur DHW (bar / °C)	Max. working pressure / temperature primary (bar / °C)	Max. length flange heater (mm)	max. length immersion heater (mm)	ErP class	Profile
TSA 202	206	0.92 / 0.62	10 / 95	10 / 110	385	520	B	XL
TSA 302	292	1.43 / 0.93	10 / 95	10 / 110	385	520	B	XL
TSA 402	383	1.82 / 1.05	10 / 95	10 / 110	473	623	B	XXL
TSA 502	486	2.03 / 1.02	10 / 95	10 / 110	528	673	B	XXL

Performance data



Installation dimensions (mm)

Model	Dimensions (mm)													Tilted dim. (mm)	Weight net (kg)
	A	B	C	D	E	F	G	H	I	J	K	L	M		
TSA 202	235	510	685	600	400	833	271	1147	1029	630	1280	827	1012	1414	78
TSA 302	235	660	900	600	515	1173	271	1608	1490	855	1741	1040	1315	1841	106
TSA 402	272	693	870	700	499	1072	297	1490	1345	790	1624	1010	1252	1768	134
TSA 502	278	698	950	750	532	1146	310	1600	1440	850	1735	1100	1311	1890	158

- 1 .. Magnesium Anode
- 2 .. Flow
- 3 .. Return
- 4 .. Circulation
- 5 .. Cold water
- 6 .. Hot water (DHW)
- 7 .. Thermometer
- 8 .. Adjustable feet
- 9 .. Sensor pipe

