



INDIRECT WATER HEATER

Monovalent 150 to 500
(floor-standing)

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

TSA ranges monovalent fit perfectly to all gas, oil and wood boiler ranges 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



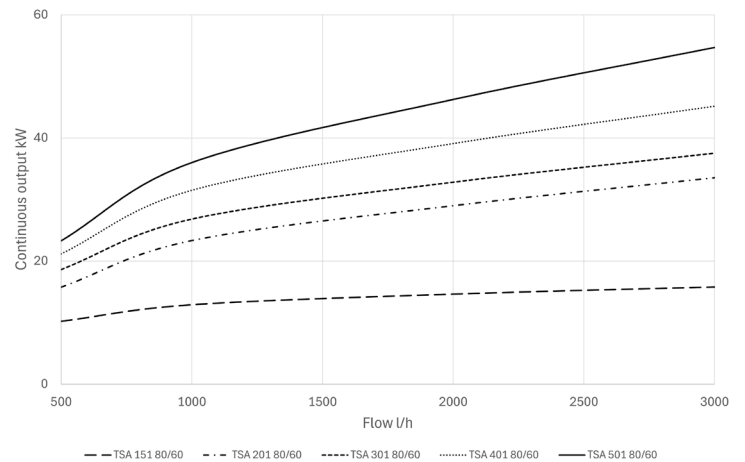
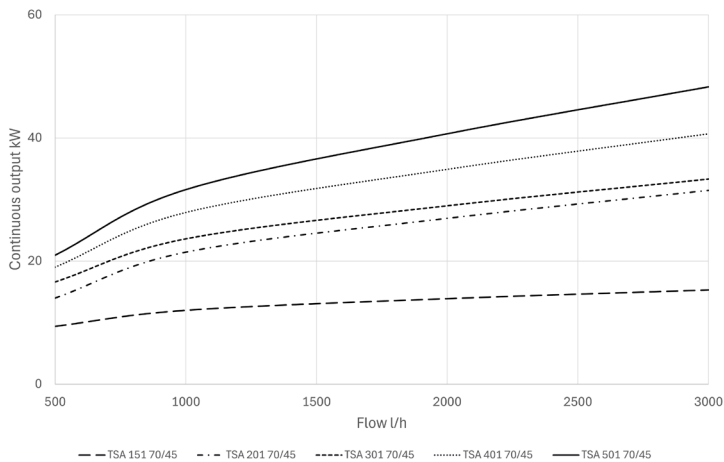
Energy savings

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

Technical specifications

Model	Capacity (L)	Surface (m²)	Max. working pressure / temperature DHW (bar / °C)	Max. working pressure / temperature primary (bar / °C)	Max. length flange heater (mm)	max. length immersion heater (mm)	ErP class	Profile
TSA 151	156	0,61	10 / 95	10 / 110	385	520	B	L
TSA 201	207	0,92	10 / 95	10 / 110	385	520	B	XL
TSA 301	294	1,43	10 / 95	10 / 110	385	520	B	XXL
TSA 401	386	1,82	10 / 95	10 / 110	473	623	B	XXL
TSA 501	488	2,03	10 / 95	10 / 110	528	673	B	3XL

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 151	235	420	644	600	426	-	271	874	756	500	1007	-	-	1172	54
TSA 201	235	510	820	600	535	-	271	1147	1029	630	1280	-	-	1414	69
TSA 301	235	660	1030	600	720	-	271	1608	1490	855	1741	-	-	1841	93
TSA 401	272	693	1060	700	677	-	297	1490	1345	790	1624	-	-	1766	120
TSA 501	278	698	950	750	724	-	310	1600	1440	850	1735	-	-	1890	144

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

