

# SHELL AND TUBE HEAT EXCHANGER FOR SWIMMING POOL AND SPA

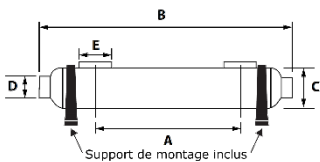


There are two types of tubular exchanger, the stainless steel one, for chlorine pools or spas, and the titanium one, for salt pools and/or spas. This exchanger is specially designed with corrugated tubes that increase the exchange and the self-cleaning capacity thanks to the turbulence.

**Applications:** Swimming pool or spa heating, can also be used for other applications, snow melting or solar heating, large volume drinking water, cooling, etc.

**Installations :** Horizontal or vertical mounting (mounting brackets are included). Should always be installed with the mounting bracket secured to the wall, ceiling or floor to prevent damage from vibration or water hammer.

Nominal performance and technical specification Tubular Exchanger SS-316 and Titanium at 140°F (60°C) differential between primary and secondary													
Model		Nomal Capacity		Pool Capacity		Hot Water Boiler Side				Cold Water Pool Side			
						Flow		Pressure Loss		Flow		Pressure Loss	
		Kw/hr	KBtu/hr	(gal @ 1°F/hr)	(M <sup>3</sup> @ 1°C/hr)	L/min	USGPM	KPA	PSI	L/min	USGPM	KPA	PSI
Stainless 316 (Chlore)	TJ-ST-55S-S	16	55	4 700	32.0	28	7.49	5.83	0.85	185	48.84	7.08	1.03
	TJ-ST-155S-S	45	155	13 300	90.6	32	8.46	7.58	1.10	237	62.66	10.92	1.58
	TJ-ST-210S-S	60	210	18 000	122.6	35	9.13	2.59	0.38	242	63.94	7.28	1.06
	TJ-ST-300S-S	88	300	25 800	175.8	42	11.16	3.89	0.56	325	86.11	11.26	1.63
	TJ-ST-360S-S	105	360	31 500	214.6	48	12.63	5.83	0.85	358	94.70	16.55	2.40
	TJ-ST-600S-S	175	600	52 500	357.7	66	17.44	8.43	1.22	432	114.16	21.19	3.07
Titanium (Salt)	TJ-ST-55T-S	16	55	4 700	32.0	28	7.49	5.83	0.85	185	48.84	7.08	1.03
	TJ-ST-155T-S	45	155	13 300	90.6	32	8.46	7.58	1.10	237	62.66	10.92	1.58
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Specifications are for water, see table below for correction factor for other liquid types.

Liquid	Water	Propylene glycol 30%	Propylene glycol 50%	Ethylene glycol 30%	Ethylene glycol 50%
Factor	100%	94%	89%	92%	85%

		Dimension			Boiler	Pool
Model		A (in)	B (in)	C (in)	D (in)	E (in)
Stainless 316 (Chlore)	TJ-ST-55S-S	7.6	13.3	2.5	¾	1
	TJ-ST-155S-S	9.2	15.9	3.1	1	1-½
	TJ-ST-210S-S	14.7	22.4	3.1	1-½	1-½
	TJ-ST-300S-S	20.5	27.6	3.1	1-½	2
	TJ-ST-360S-S	28.0	35.0	3.1	1-½	2
	TJ-ST-600S-S	25.4	33.9	4.3	2	2-½
Titanium (Salt)	TJ-ST-55T-S	7.6	13.3	2.5	¾	1
	TJ-ST-155T-S	9.2	22.4	3.1	1	1-½
	TJ-ST-210T-S	14.7	15.9	3.1	1-½	1-½
	TJ-ST-300T-S	20.5	27.6	3.1	1-½	2
	TJ-ST-360T-S	28.0	35.0	3.1	1-½	2
	TJ-ST-600T-S	25.4	33.9	4.3	2	2-½

		Quick selection	Pool Capacity	
Model		M <sup>3</sup>	USGAL	
Stainless 316 (Chlore)	TJ-ST-55S-S	15	3 960	
	TJ-ST-155S-S	45	11 900	
	TJ-ST-210S-S	65	17 200	
	TJ-ST-300S-S	90	23 800	
	TJ-ST-360S-S	110	29 000	
	TJ-ST-600S-S	180	47 500	
Titanium (Salt)	TJ-ST-55T-S	15	3 960	
	TJ-ST-155T-S	45	11 900	
	TJ-ST-210T-S	65	17 200	
	TJ-ST-300T-S	90	23 800	
	TJ-ST-360T-S	110	29 000	
	TJ-ST-600T-S	180	47 500	