

# T SERIES

## Titanium Pool + Spa Heat Exchangers

T100, T200, T300, T400, T500

An ultralight, one-piece welded pure titanium heat exchanger, designed for the most aggressive water conditions. Exceptional material strength with the highest resistance to corrosion make the T Series the perfect choice for any application.

### APPROPRIATE FOR ANY AND ALL APPLICATIONS SUCH AS:

- Applications with extremely high **salt water** concentration.
- Swimming pools heated by high temperature sources (steam, refrigerants, solar).
- Corrosive fluids.

### DISTINCT ADVANTAGES:

- Total immunity to salt corrosion even at high temperatures.
- Ultra-high thermal performance.
- Low pressure drop design
- Coil expansion handles extreme temperature differences.
- Light weight.
- Condensate sub-cooling.

ULTRA LIGHT  
SUPERIOR STRENGTH

Complete titanium  
welded design

Heating source  
on the tube side

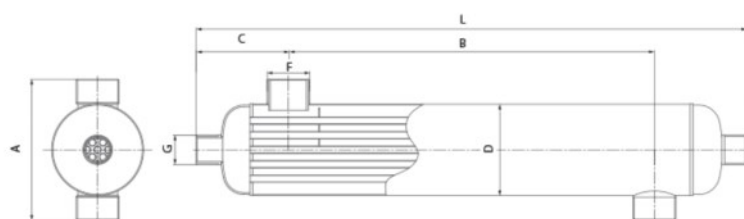
Unique helical 8mm  
heating coils

Pool water on  
the shell side

Vertical or horizontal  
installation

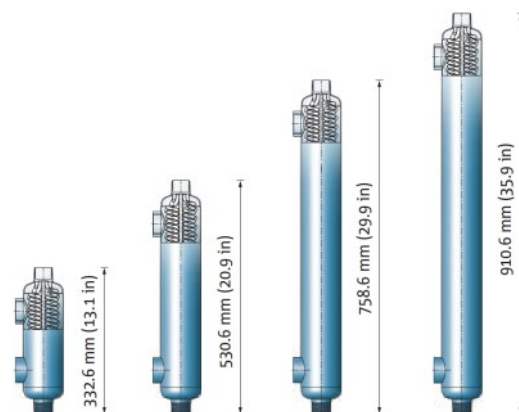
IBC®

HEAT EXCHANGER MODEL	DIMENSIONS					CONNECTIONS		HEAT TRANSFER AREA  SQ FT
	L	A	B	C	D	SHELL F	TUBES G	
	INCHES							
T-100	13.1	4.3	5.3	3.9	3.6	1 1/2	1 1/4	2.24
T-200	20.9	4.3	13.1	3.9	3.6	1 1/2	1 1/4	4.15
T-300	29.9	4.3	22.1	3.9	3.6	1 1/2	1 1/4	6.26
T-400	35.9	4.3	28.1	3.9	3.6	1 1/2	1 1/4	7.71
T-500	43.5	6.3	33.8	4.1	4.1	1 1/2	1	16.8



T-100-T400 are made of Titanium. The T-500 heat exchanger is a completely welded heat exchangers made entirely of a super austenitic marine alloy. Its compact structure is an integration of innovative material with detailed engineering for effective use with high fluid velocities and low pressure drops, designed specifically for salt water pool applications.

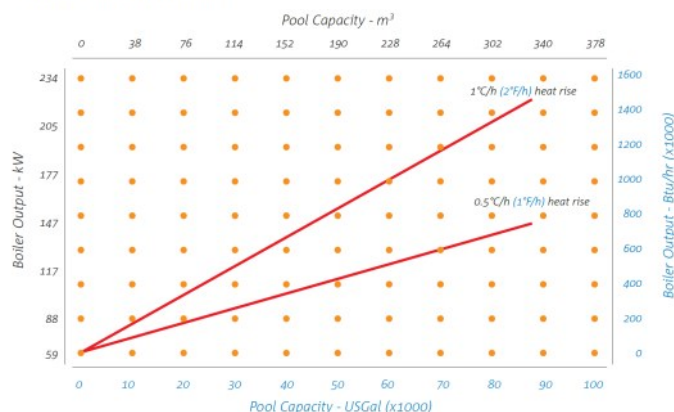
The versatility of this robust straight tube design covers a comprehensive range of capacities, suitable for all residential and commercial pool applications



HEAT EXCHANGER MODEL	NOMINAL CAPACITY		HOT WATER SIDE				COLD WATER SIDE			
			FLOW		PRESSURE DROP		FLOW		PRESSURE DROP	
	kW	BTU/hr	LTR/MIN	USG/MIN	kPa	PSI	LTR/MIN	USG/MIN	kPa	PSI
T-100	29	100,000	17	4.6	6.1	0.09	38	10.0	0.3	0.1
T-200	57	200,000	28	7.5	26.7	3.9	61	16.0	1.4	0.2
T-300	87	300,000	36	9.5	63.2	9.2	76	20.0	2.9	0.4
T-400	113	400,000	35	9.1	71.7	10.4	265	70.0	40.7	5.9
T-500	145	500,000	150	40	27.0	3.9	227	60	24.8	3.6

Nominal capacity values are based on heating 180°F (82.2°C) and return pool water 80°F (26.7°C).

### Boiler Selection Chart



Based on heating source 180°F (82.2°C).

### Evaluate The Boiler Capacity

Ensure that your boiler has enough capacity to reach the required pool temperature, and to maintain it at this temperature through daily use.

**To maintain the pool at the required temperature, the boiler should have the capacity to handle the pool heat losses, calculated as:**

Heat Loss [Btu/hr] = 12 x [pool surface area (sqft)] x [pool temperature (°F) - air temperature (°F)]



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