

T SERIES

Titanium Pool + Spa Heat Exchangers

T100, T200, T300, T400

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.
- Coil expansion handles extreme temperature differences.
- Light weight.
- Condensate sub-cooling.

Complete titanium
welded design

Heating source
on the tube side

Unique helical 8mm
heating coils

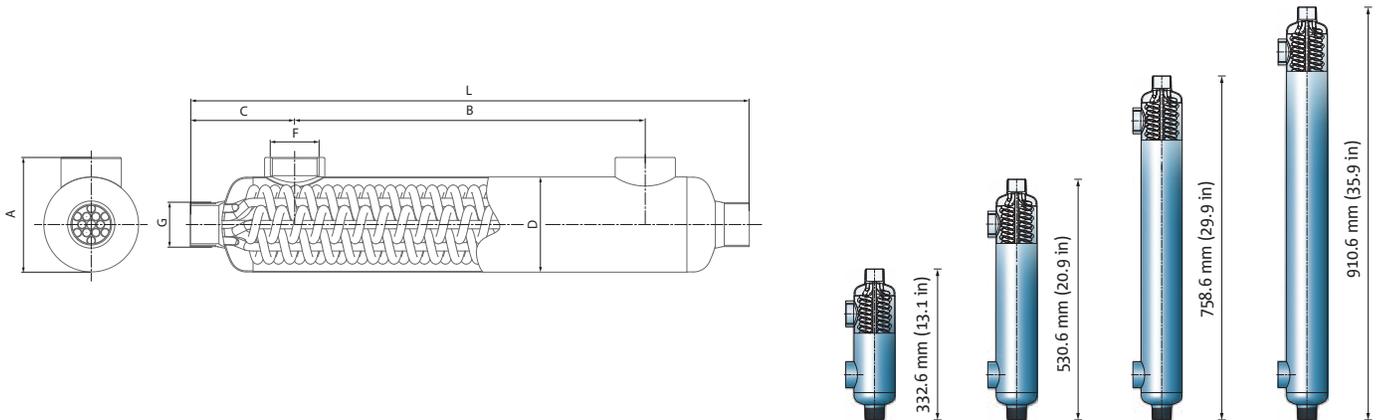
Pool water on
the shell side

Vertical or horizontal
installation

ULTRA LIGHT
SUPERIOR STRENGTH

IBC INTERGAS®

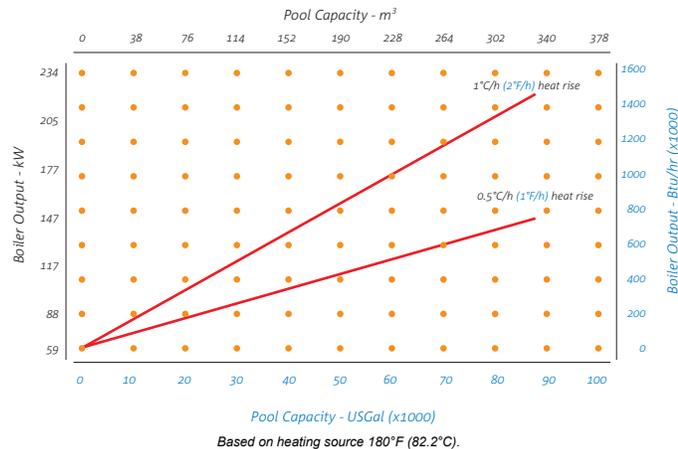
HEAT EXCHANGER MODEL	DIMENSIONS					CONNECTIONS		HEAT TRANSFER AREA SQ FT
	L	A	B	C	D	SHELL F	TUBES G	
T-100	13.1	4.3	5.3	3.9	3.6	1 1/2	1 1/4	2.24
T-200	20.9	4.3	13.1	3.9	3.6	1 1/2	1 1/4	4.15
T-300	29.9	4.3	22.1	3.9	3.6	1 1/2	1 1/4	6.26
T-400	35.9	4.3	28.1	3.9	3.6	1 1/2	1 1/4	7.71



HEAT EXCHANGER MODEL	NOMINAL CAPACITY		HOT WATER SIDE								COLD WATER SIDE			
	kW	BTU/hr	FLOW		PRESSURE DROP		FLOW		PRESSURE DROP		FLOW		PRESSURE DROP	
			LTR/MIN	USG/MIN	kPa	PSI	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				

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

Boiler Selection Chart



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)]

IBC Technologies

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All information contained in this brochure is subject to change without notice. Due to clerical error, regulation change or product development please confirm all information with IBC INTERGAS