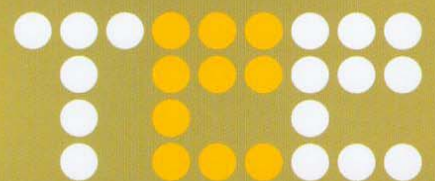


# TITANIUM Heat Exchanger





**Innovative engineering in Tee  
Line Heat Exchangers feature:**

- removable titanium heat transfer surface
- unique geometry optimizes flow turbulence and increases heat transfer coefficients
- shell made of rigid composite material

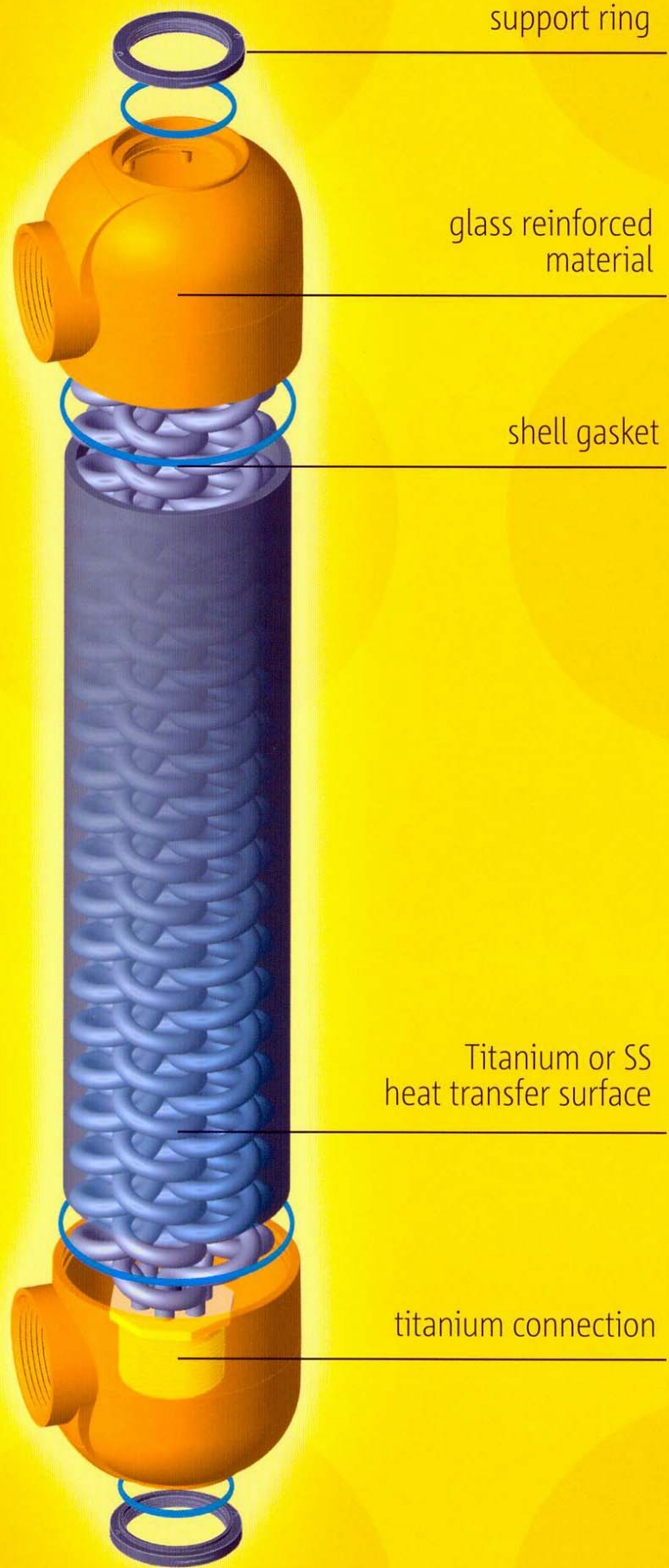


- high operating pressure up to 40 bars for refrigeration applications
- operating pressure up to 6 bars.
- operating temperature up to 90°C.
- perfect solution for swimming pool market

**Construction designed  
for all type of swimming pools  
heating systems including  
salt swimming pools.**

- Heat pumps
- Boilers
- District heating

**Heat Exchange surface  
made entirely of pure Titanium**



support ring

glass reinforced material

shell gasket

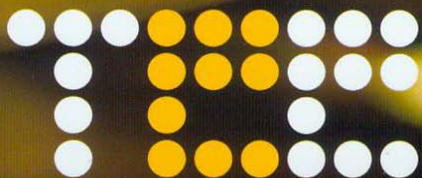
Titanium or SS  
heat transfer surface

titanium connection



# TITANIUM

Innovative Engineering

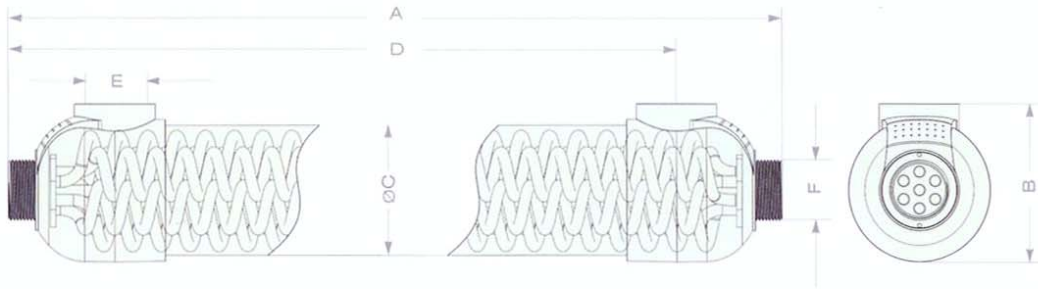


# Engineering Data

## Heat Exchanger Nominal Performance

Heat Exchanger Type	Nominal Capacity		Hot Water				Cold Water			
			Flow		Pressure drop		Flow		Pressure drop	
	kW	Btu/hr	l/min	USGPM	kPa	psig	l/min	USGPM	kPa	psig
<b>T100</b>	29	98000	22	5.8	11	1.6	250	66	9	1.3
<b>T100SS</b>	29	98000	22	5.8	11	1.6	250	66	9	1.3
<b>T200</b>	57	195000	30	7.9	28	4.1	300	80	16	2.3
<b>T200SS</b>	57	195000	30	7.9	28	4.1	300	80	16	2.3
<b>T300</b>	87	298000	35	9.2	38	5.5	350	92	20	2.9
<b>T300SS</b>	87	298000	35	9.2	38	5.5	350	92	20	2.9
<b>T400</b>	113	385000	40	10.6	65	9.4	400	106	25	3.6
<b>T400SS</b>	113	385000	40	10.6	65	9.4	400	106	25	3.6

Nominal values are based on 60°C (140°F) temperature difference between incoming heating and heated water



### Dimensions

Heat Exchanger Type	A		B		C		D		E	F
	mm	in	mm	in	mm	in	mm	in	size	size
<b>T100 / T100SS</b>	343	13.50	110	4.31	90	3.54	268	10.55	1 1/2"	1 1/4"
<b>T200 / T200SS</b>	541	21.30	110	4.31	90	3.54	466	18.35	1 1/2"	1 1/4"
<b>T300 / T300SS</b>	769	30.28	110	4.31	90	3.54	694	27.32	1 1/2"	1 1/4"
<b>T400 / T400SS</b>	921	36.26	110	4.31	90	3.54	846	33.31	1 1/2"	1 1/4"

### Typical residential applications

- Swimming pools, spas, hot tubs
- Domestic hot water

### Typical industrial application

- Waste water heat recovery
- Sea water application

### Standard Materials:

316L Stainless Steel,  
Titanium

### Maximum Allowable Working Pressure:

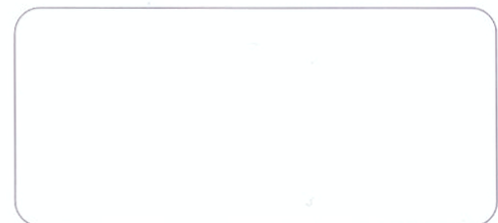
Hot side: 16 bar (40 bar)  
Cold side: 4 bar (6 bar)

### Maximum Allowable Working Temperature:

SS 316 L 90°C  
Titanium 90°C



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