



Quick Sizing - ST Series Shell & Tube Heat Exchangers

Model	BTU Rating	Pool Size, US Gals.	Flow Rates & Pressure Drop				System Connections	
			Tube Side		Shell Side		Tube Side	Shell Side
			US GPM	PSIG	US GPM	PSIG	FNPT	FNPT
BT-ST-55-1	55,000	4,700	7.4	0.9	48.4	1.1	3/4"	1"
BT-ST-55-B-1							1"	1-1/2"
BT-ST-55-2								
BT-ST-55-B-2								
BT-ST-85-1	85,000	7,300	8	1.1	54.5	1.3	3/4"	1"
BT-ST-85-B-1							1"	1-1/2"
BT-ST-85-2								
BT-ST-85-B-2								
BT-ST-155	155,000	13,300	8.5	1.1	63	1.6	1"	1-1/2"
BT-ST-155-B								
BT-ST-210	210,000	18,000	9.3	0.4	64.7	1	1-1/2"	1-1/2"
BT-ST-210-B								
BT-ST-300	300,000	25,800	11.1	0.6	85.7	1.7	1-1/2"	2"
BT-ST-300-B								
BT-ST-360	360,000	31,500	12.7	0.8	95.1	2.4	1-1/2"	2"
BT-ST-360-B								
BT-ST-600	600,000	52,500	17.4	1.2	114.1	3.1	2"	2-1/2"
BT-ST-600-B								
BT-ST-1200	1,200,000	105,600	30.1	2.2	222.3	4.1	2"	2-1/2"
BT-ST-1200-B								

Data provided is based on 1°F/hr temperature rise and 140°F temperature difference between liquids.

The above numbers represent typical operation of the heat exchanger for daily pool heating applications. For occasional pool use, such as on weekends, a model with 2 times the BTU output is recommended to achieve quicker heat up rate (2°F/hr).

For use in:

- Swimming pools, spas and hot tubs with controlled chlorine content.
- Solar heating applications.
- High flow, low pressure drop applications.
- Gravity feed applications.
- Outdoor wood boilers, furnaces, stoves.
- Radiant heating, hydronic heating and snow melting applications.
- Oil cooling.
- Waste water heat recovery applications.
- Many other water to water and liquid to liquid heat exchange applications.

Not for use in:

- Salt water pools.
- Marine applications.
- Liquids containing hydrochloric acid, sulphuric acid and other chemicals known to corrode 316L stainless steel.