

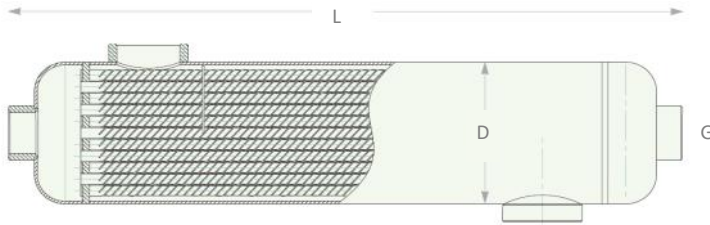
S SERIES

Technical Information

Heat exchanger nominal performance

HEAT EXCHANGER MODEL	NOMINAL CAPACITY			HOT WATER SIDE		COLD WATER SIDE	
	140°F	100°F	70°F	FLOW	PRESSURE DROP	FLOW	PRESSURE DROP
	BTU/h	BTU/h	BTU/h	USGPM	PSIG	USGPM	PSIG
S 70	70,000	62,000	50,000	6.60	1.09	44.91	1.33
S 130	130,000	116,000	93,000	7.13	1.17	52.83	1.65
S 180	180,000	156,000	120,000	7.93	0.40	55.48	1.10
S 250	250,000	220,000	165,000	9.25	0.60	71.33	1.70
S 300	300,000	260,000	200,000	10.57	0.90	49.25	2.50
S 500	500,000	410,000	315,000	14.53	1.30	95.10	3.20
S 1000	1,000,000	805,000	620,000	25.10	2.35	185.24	4.22

Nominal capacity values are based on heating 140°F temperature difference between incoming heating (40°F) and heated water (180°F)
 Nominal capacity values are based on heating 100°F temperature difference between incoming heating (80°F) and heated water (180°F)
 Nominal capacity values are based on heating 70°F temperature difference between incoming heating (80°F) and heated water (150°F)



Standard materials:

316 L Stainless Steel

Maximum allowable working pressure:

SS 316L 150 psig

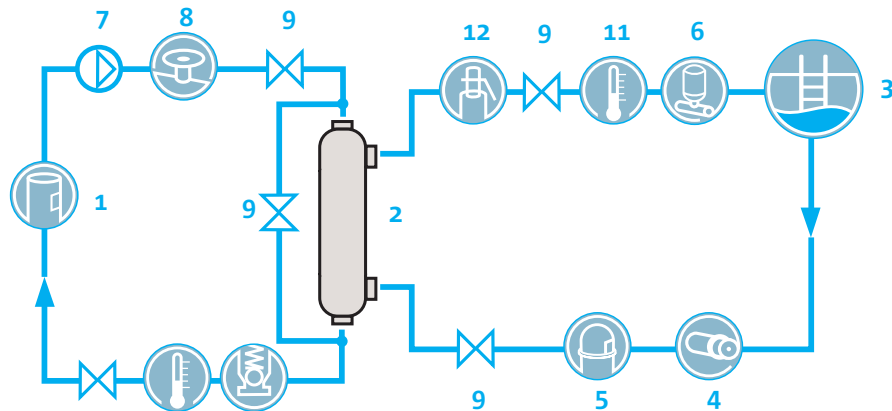
Maximum allowable working temperature:

SS 316 L 406°F

HEAT EXCHANGER MODEL	DIMENSIONS							HEAT TRANSFER AREA
	L	A	B	C	D	F	G	
	INCHES							
S 70	13.58	4.17	6.89	3.35	3.15	1-1/2	3/4	2.79
S 130	15.55	4.17	8.86	3.35	3.15	1-1/2	3/4	3.30
S 180	15.08	5.04	7.60	3.74	4.0	1-1/2	1	4.91
S 250	20.20	5.04	12.72	3.74	4.0	1-1/2	1	7.29
S 300	24.88	5.04	17.40	3.74	4.0	1-1/2	1	9.38
S 500	42.72	5.04	34.80	3.96	4.0	2	1	17.32
S 1000	36.10	6.57	26.63	4.72	5.5	2	2	23.68

Typical Swimming Pool Installation

- Boiler
- Heat exchanger
- Swimming pool
- Pump
- Filtration
- Chlorine Feeder
- Circulation pump
- Flow control valve
- Gate valve
- Check valve
- Thermometer
- Safety relief valve



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

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

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