



Indirect Pool Heaters

With well over 60 years of dedicated water heating expertise, Raypak is the natural choice for your indirect heat exchanger needs. Now you can heat your pool or spa using your home's existing hydronic boiler. This allows you to take advantage of your high efficiency boiler to heat your pool during the summer!

The Raypak SS316L pool heaters are fabricated with a distinctive helically corrugated tube design. Intended for use with high water flows and low temperature variances, these robust, compact units are ideal for many residential and commercial pool applications.

Our CR24 line of pool heaters are 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 water velocities and low pressure drops, designed specifically for high chlorine and salt water pool applications.



The Pool & Spa Heating Experts

Indirect Pool Heater Features:

- Choice of two materials: special treated SS316L or CR24 Super Alloy for high chlorine and salt pools.
- Efficient design for high flows with low pressure drops.
- Available in a wide range of capacities, suitable for heating whirlpools and hot tubs all the way up to large Olympic-size facilities.
- Compact structural design allows for a small footprint.



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	Pressure		Temp
	SS316L	CR24	
Tube side	235 PSI	150 PSI	406 °F
Shell side	190 PSI	150 PSI	406 °F

Designed and Fabricated to ASME B31.3 Process Piping Code

Table 1: Specifications

Part Number		Nominal Capacity*	Dimensions (inches)							
SS316L	CR24** Super Alloy	BTU/hour	A	B	C	Pool Conn NPT F	Boiler Conn NPT G	Length L	Diameter ØD	Heat Transfer Area (sq ft)
013476		45,000	4-3/16	4-3/8	3-1/16	1	3/4	10-7/16	3-1/8	1.62
013477		75,000	4-3/16	6-7/8	3-5/16	1-1/2	3/4	13-9/16	3-1/8	2.64
013478		125,000	4-3/16	8-7/8	3-5/16	1-1/2	3/4	15-1/2	3-1/8	3.64
013479		185,000	5	7-5/8	3-3/8	1-1/2	1	14-3/8	4	4.70
013480		245,000	5	12-11/16	3-3/8	1-1/2	1	19-1/2	4	6.80
013481		305,000	5	17-3/8	3-3/8	1-1/2	1	24-3/16	4	9.00
013482		495,000	5-1/16	34-13/16	3-5/8	2	1	42-1/16	4	16.80
013483		995,000	9-9/16	26-5/8	4-5/16	2	2	35-3/16	5-1/2	21.50
	013484	185,000	6-5/16	7-9/16	3-13/16	1-1/2	1	15-5/16	4-1/16	4.70
	013485	305,000	6-5/16	17-3/8	3-13/16	1-1/2	1	25-1/16	4-1/16	9.00
	013486	495,000	6-5/16	35-1/4	3-13/16	1-1/2	1	42-15/16	4-1/16	16.80

* Nominal values are based on 140 °F temperature differential between incoming heating and heated water.

** CR24 Super Alloy - widely used in industrial salt water environments. Due to its unsurpassed corrosion resistance, this unique super alloy option is a 'true' salt water product, now available from Raypak for the most demanding of applications, from high chlorination to high salt content.

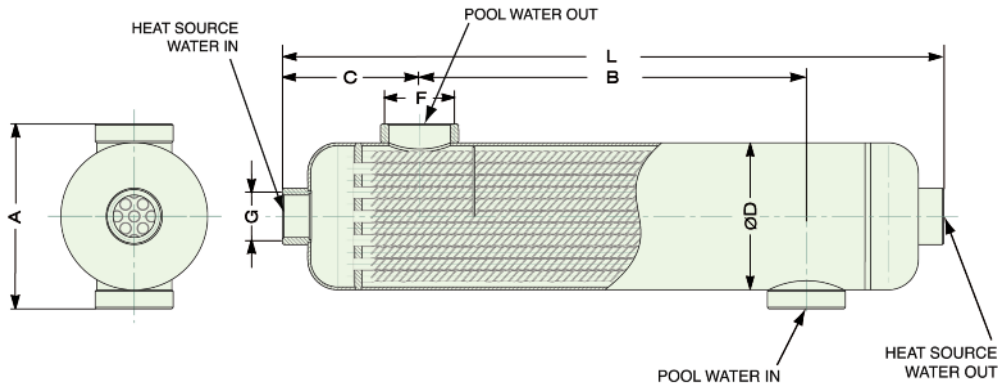
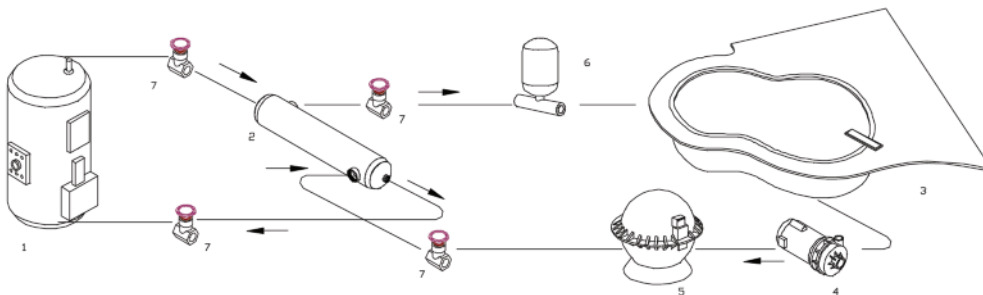


Figure 1: Dimensions



1. Boiler
2. Heat exchanger
3. Swimming Pool
4. Pump
5. Filter
6. Chlorine Feeder
7. Gate Valve

- Boiler/Heating Circuit through the TUBE SIDE
- Pool Circuit through the SHELL SIDE
- Connect the unit in counter flow to achieve maximum efficiency
- Install unit BEFORE chlorinator

Figure 2: Sample Pool Installation

