

The Columbia Boiler Oil Fired Pool Heater extends your summer swimming pleasure.



The Columbia Pool Boiler is a smart investment for your family's comfort and summer fun. With the Columbia Pool Boiler you increase the value of your pool and extend your swimming season from early spring to late fall. Your water temperature will always be comfortable. The pool temperature is automatically regulated by a thermostatic control located on the boiler. No need to depend on Mother Nature.

The unit is attractively finished with an all-aluminum, insulated jacket. It protects the burner and controls from the elements. It needs no chimney and can be used as either an indoor or outdoor unit, so it blends in with the beauty of your pool. You will be the envy of your neighborhood.

Benefits and Features

- Durable, stucco embossed all aluminum weatherized jacket protects burner and controls from the elements.
- All-copper indirect heater exchanger design practically eliminates corrosion, scaling and condensation problems.
- Aluminized flue collector and firebox assembly withstands atmospheric corrosion.
- Flame retention forced draft oil burner provides efficient combustion.
- Easy access for maintenance and adjustment.
- UL listed components.
- McDonnell-Miller low water cut off.
- Pre-cast refractory combustion chamber and boiler is fully insulated to keep heat loss to a minimum.
- Pre-assembled for ease of installation.
- Five-year limited warranty.

Specifications

Model – OTF	510	801	1010	1600
Gross Input	140,000	210,000	280,000	350,000
Gross Output	109,200	163,800	218,400	273,000
Firing Rate – GPH	1.00	1.50	2.00	2.50
Width	22”	22”	26-1/4”	26-1/4”
Length	31”	31”	34”	34”
Height	38-1/2”	38-1/2”	45”	45”
Approx. Shipping Wt.	400	435	600	620

Standard Equipment

OTF - Aluminum jacket with self venting Boiler Body with combustion chamber installed Theraltimeter, completely assembled and packaged with oil burner, cadcell relay, pool and limit control, Low water cutoff, relief valve, indirect pool heating Coil, SC-150 (510-801) SC-200 (1010-1600) with 1-1/2” I.P.S. Tapping

Selection of the Right Size OTF Heater

There are many factors related to proper sizing of pool heaters. We recommend you contact your installing dealer for help in determining the correct size for your particular application.

Pool Heater Sizing Chart Heat Loss from Pool Surface Btu per hour

Surface Area of Pool Square Feet	Desired Pool Temperature Degree F			Approximate Gallons
	80	85	90	
500	137,000 Btu	155,000 Btu	200,000 Btu	20,000
600	166,000 Btu	185,000 Btu	240,000 Btu	24,000
700	200,000 Btu	218,000 Btu	280,000 Btu	28,000
800	220,000 Btu	250,000 Btu	320,000 Btu	32,000
900	248,000 Btu	280,000 Btu	360,000 Btu	36,000
1000	275,000 Btu	310,000 Btu	400,000 Btu	40,000
1200	330,000 Btu	370,000 Btu	480,000 Btu	48,000
1400	384,000 Btu	435,000 Btu	560,000 Btu	56,000
1600 or Larger	Refer inquiry to the Marketing Group			

Notes: 1. Heat losses are based on an assumed wind velocity at the water surface of 5 M.P.H. and an ambient temperature of



Americas most trusted name in commercial and residential boilers

COLUMBIA BOILER COMPANY OF POTTSTOWN

Box 1070 • Pottstown, PA 19464 • Phone (610) 473-8457 • Fax (610) 367-6800