



# Pool Heater

## OTF Series oil fired



ASME Constructed  
Manufactured in U.S.A.

## Long Lasting Value From Your Pool Investment

A Thermo-Dynamics oil-fired pool heater is a smart addition

- *High Temperature Hard Refractory Combustion Chamber*
- *Durable, Commercial Grade Construction*
- *Built to ASME Boiler & Pressure Vessel Code Specifications*
- *Copper OR Cupronickel (salt systems) Coil*

# Thermo-Dynamics Boiler Company

# Here's why a Thermotron oil fired pool heater is a great investment for any pool owner.



## OTF Design Features

- ASME Code Boiler
- Outdoor All-Weather Jacket
- Vent Cap (Packaged Separately)
- Insulation
- Altitude, Temperature & Pressure Gauge
- ASME Relief Valve
- Indirect Pool Coil (copper OR cupronickel)
- National Board Stamped
- Solid State Ignition Transformer
- Solid State Time Delay w/Oil Valve
- Primary Relay w/Interrupted Ignition
- Expansion Tank Fittings
- Expansion Tank
- Beckett AF Burner
- Circulator (pressure vessel)
- Hard Refractory Combustion Chamber

- T675A 1565 Temperature Control
- Hydrolevel Low Water Cutoff
- L04006A-2015B Aquastat

Five-year Limited Warranty on Pressure Vessel

One-year Conditional Warranty on Coil



## SPECIFICATIONS

MODEL-OTF	510	801	1010	1600
GROSS INPUT	140,000	210,000	280,000	350,000
* GROSS OUTPUT BTU/HR	109,200	163,800	218,400	273,000
FLUE PIPE DIA.	6"	6"	8"	8"
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.	397	434	602	620

\* Use Gross Output-BTU/HR to estimate Boiler Size

## 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 B.T.U.'S PER HOUR

Surface Area of Pool SQ. FT.	Desired Pool Temperature (°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 Thermo-Dynamics, Schuylkill Haven, PA			

- NOTES
1. These heat losses are based on assumed wind velocity at the water surface of 5 m.p.h. and an ambient temperature of 60°F
  2. Where surface area and gallons do not coincide, surface area must take precedence
- For more information on heat loss from spa surfaces, contact Thermo-Dynamics



**Thermo-Dynamics**

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