

# Thermocoil – Coil Tube Thermal Fluid Heater



## Efficient, Safe and Economical Process Heat, up to 20,000,000 BTU/Hour Output.

Thermal Heater Type – Forced Circulation, Multi-Coiled Tube, Forced Draft Fired.

Efficiency – Up to 75%.

Gas Burner – Multi-orificed by Thermogenics.

Oil Burner – Air Atomized by Thermogenics.

Combination Burner – Air Atomized Oil, Multi-orificed Gas by Thermogenics.

Ignition Type – Electric Spark Ignited, Interrupted Gas Pilot.

Turndown – 7 to 1 turndown

Construction – Registered to ASME and CSA requirements, and Hydro approved.

Safety – Programmed Flame Safeguard Control with Ultra Violet Flame Detection. Individual Coil Temperature Control, Low Water and High Temperature Control Valves.

Operating Pressure – 750°F design temperature, Up to 250 PSIG

MANUFACTURED IN CANADA BY:  
**THERMOGENICS INC.**

Head Office: 6 Scanlon Court  
Aurora, Ontario L4G 7B2  
Tel: (905) 727-1901  
Fax: (905) 727-8656  
[www.thermogenicsboilers.com](http://www.thermogenicsboilers.com)

## Performance Data, Sizes and Dimensions\*

RATED BOILER CAPACITY B.H.P.	THERMAL OUTPUT BTU/HR (KCAL/HR) x 1000	FLUE OUTLET CONNECTION INCHES (mm)	APPROXIMATE FUEL CONSUMPTION		DIMENSIONS INCHES (mm)			FLUID HEATER CAPACITY GAL (Lits)	APPROXIMATE SHIPPING WEIGHT LBS (Kg)
			NATURAL GAS SCFH	#2 FUEL OIL GPH (Lits/H)	L	W	H		
75	2,511 (633)	12 (305)	3,140	23 (105)	114 (2,896)	94 (2,388)	87 (2,210)	50 (227)	5,700 (2,591)
100	3,348 (844)	14 (356)	4,180	30 (137)	114 (2,896)	94 (2,388)	87 (2,210)	58 (263)	6,300 (2,863)
150	5,021 (1,265)	16 (406)	6,270	45 (205)	120 (3,048)	94 (2,388)	91 (2,311)	75 (341)	8,100 (3,682)
200	6,696 (1,687)	18 (457)	8,370	60 (273)	131 (3,327)	100 (2,540)	101 (2,566)	110 (500)	10,700 (4,864)
250	8,369 (2,109)	20 (508)	10,460	75 (341)	131 (3,327)	100 (2,540)	101 (2,566)	135 (613)	13,000 (5,909)
300	10,043 (2,531)	24 (610)	12,550	90 (410)	138 (3,505)	100 (2,540)	101 (2,566)	160 (727)	13,900 (6,318)
350	11,717 (2,953)	24 (610)	14,650	105 (478)	160 (4,064)	102 (2,590)	101 (2,566)	185 (840)	16,600 (7,545)
400	13,391 (3,374)	24 (610)	16,740	120 (546)	164 (4,166)	124 (3,150)	116 (2,947)	290 (1,317)	28,100 (12,773)
500	16,738 (4,218)	26 (660)	20,920	150 (683)	176 (4,470)	126 (3,200)	116 (2,947)	350 (1,590)	31,600 (14,364)
600	20,086 (5,062)	28 (711)	25,100	180 (819)	188 (4,775)	126 (3,200)	116 (2,947)	410 (1,863)	35,400 (16,091)

\*Subject to change without notice. Oil fired available for #2 and diesel oil only.

\*The descriptions and specifications contained in this brochure are approximate and were in effect at the time of printing. Thermogenics policy is one of continuous improvement and update. Changes to specific models may occur at anytime without notice or incurring any obligation.

Distributed by: