

PHOENIX SERIES

100,000 Kcal/h – 10.000.000 Kcal/h heat capacity

HIGH
CAPACITY
HIGH
EFFICIENCY



- Operates at high temperature and low pressure.
- The heat conduction oil used in the system does not cause calcification, sediment, corrosive effect, etc. in the boiler. It can be used for a long time as it does not cause negative effects.
- There is no need to use any conditioning unit in heat conduction oil.
- Under normal conditions, freezing does not occur in the installation.
- The Hot Oil Boiler can also be used as a heating fluid in the production of Steam, Hot Water, Boiling Water.
- Hot oil outlet temperature is controlled by PID controller.
- Hot oil return temperature is controlled by digital thermostats.
- Ekotek Heating Technologies recommends all the accessories and burner systems that are used in Package System Hot Oil Boilers (Thermal Oil Heaters) from brands with known safety, Gas fuel type. Before making the package selection of industrial products, you should definitely notify our company of the gas pressure coming to the main gas line used by your business. When choosing the burner, do not forget to connect a pe max: 300 Mbar gas line or a Pe Max 21 Mbar Regulator to the burner according to the Main Gas pressure. Please confirm the information from your natural gas supplier company.
- PLC control system can be added upon request.
- If you want to be in control, you should definitely see our optional options. Control your power with Ekotek technology. With optional options; Plc Touch screen controlled, Modbus RTU (Remote Terminal Unit Rtu) is completely under your control.

% 100 SAFE , USER-FRIENDLY



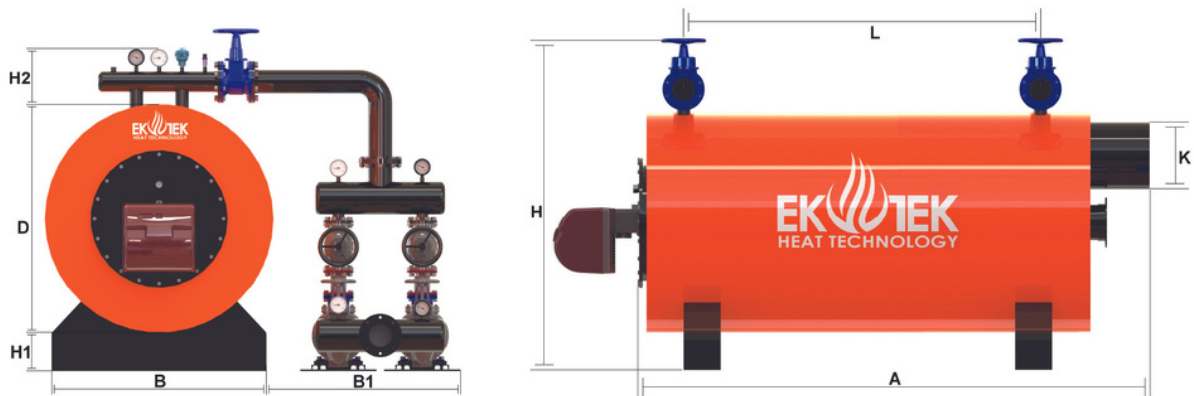
Min 116 kW - Max 11628 kW



LIQUID/GAS FUEL THERMAL OIL BOILERS



- Reliable due to low operating pressure.
- Operation and maintenance costs are low.
- Thermal conductivity coefficients of thermal oils are higher than other heating fluids. Due to the high thermal conductivity coefficients, higher heat transfer is provided with less fuel energy.
- It saves fuel thanks to its modern design.
- Necessary security measures were taken by integrating the necessary control and automation equipment into the system.
- Production starts under computer aided design control before each production.



MODEL	CAPACITY			Dimensions									OIL VOLUME	BOILER FLANGES			INSULATION PROPERTIES	RECOM. MIN. CHIMNEY DIMENSIONS ϕ		APPROXIMATE WEIGHT
														OIL OUTPUT	OIL INLET	EXPANSION		LIQUID FUEL	GAS FUEL	
BIRIM	KCAL/H	KW	MW	A	B	B1	D	H	H1	H2	K	L	LT	DN	DN	DN	MM	ϕ MM	ϕ MM	KG
PHOENIX 100	100.000	116	0,12	1990	890	1050	1090	1550	300	300	180	800	32	40	40	25	100	180	180	375
PHOENIX 150	150.000	174	0,17	2200	890	1050	1090	1550	300	300	200	1000	40	40	40	25	100	225	200	430
PHOENIX 200	200.000	233	0,23	2440	930	1050	1130	1570	300	300	225	1150	65	50	50	25	100	250	225	495
PHOENIX 250	250.000	291	0,29	2600	960	1050	1160	1570	300	300	250	1240	85	50	50	25	100	300	250	590
PHOENIX 300	300.000	349	0,35	2800	960	1050	1160	1570	300	300	300	1400	97	65	65	25	100	300	300	885
PHOENIX 350	350.000	407	0,41	2900	1050	1050	1250	1650	300	300	300	1450	125	65	65	25	100	350	300	1230
PHOENIX 400	400.000	465	0,47	3100	1050	1050	1250	1650	300	300	350	1720	160	65	65	25	100	350	350	1850
PHOENIX 500	500.000	581	0,58	3100	1390	1150	1590	1990	300	300	350	1720	185	80	80	25	100	400	350	2100
PHOENIX 550	550.000	640	0,64	3200	1425	1150	1625	2000	300	300	400	1750	267	80	80	25	100	400	400	2270
PHOENIX 600	600.000	698	0,70	3350	1500	1150	1700	2100	300	300	400	2000	292	80	80	25	100	400	400	2450
PHOENIX 700	700.000	814	0,81	3600	1500	1150	1700	2100	300	300	450	2250	330	80	80	25	100	450	450	2790
PHOENIX 800	800.000	930	0,93	3850	1500	1200	1700	2100	300	300	450	2500	375	100	100	25	100	450	450	3200
PHOENIX 1000	1.000.000	1163	1,16	3850	1690	1200	1890	2300	300	300	500	2500	527	100	100	25	100	500	500	3460
PHOENIX 1250	1.250.000	1453	1,45	4180	1900	1200	2100	2550	350	350	550	2850	725	125	125	25	100	550	550	3950
PHOENIX 1500	1.500.000	1744	1,74	4500	2050	1200	2250	2700	350	350	550	3150	1060	125	125	25	100	600	550	4100
PHOENIX 2000	2.000.000	2326	2,33	5150	2210	1200	2410	2960	350	350	650	3700	1360	150	150	25	100	700	650	4450
PHOENIX 2500	2.500.000	2907	2,91	5600	2300	1300	2500	3100	350	350	700	4100	1520	150	150	25	100	750	700	5100
PHOENIX 3000	3.000.000	3488	3,49	6310	2530	1300	2730	3200	350	350	750	4850	1770	200	200	25	100	800	750	5750
PHOENIX 3500	3.500.000	4070	4,07	6600	2650	1300	2850	3400	350	350	850	5000	1890	200	200	25	100	850	800	6000
PHOENIX 4000	4.000.000	4651	4,65	6815	2800	1300	3000	3550	400	400	850	5350	2050	200	200	25	100	1000	850	6250
PHOENIX 5000	5.000.000	5814	5,81	7675	2930	1400	3130	3700	400	400	1000	6200	2350	200	200	25	100	1100	1000	6810
PHOENIX 6000	6.000.000	6977	6,98	8150	3150	1400	3350	3950	400	400	1100	6700	2650	200	200	25	100	1200	1100	7370
PHOENIX 7000	7.000.000	8140	8,14	8300	3250	1400	3450	4050	400	400	1100	6850	2960	250	250	25	100	1200	1100	8150
PHOENIX 8000	8.000.000	9302	9,30	8350	3400	1400	3600	4100	400	400	1200	6900	3150	250	250	25	100	1300	1200	9050
PHOENIX 9000	9.000.000	10465	10,47	8500	3600	1400	3800	4250	400	400	1200	7050	3450	250	250	25	100	1300	1200	10200
PHOENIX 10000	10.000.000	11628	11,63	8750	3600	1400	3800	4250	400	400	1200	7200	3800	300	300	25	100	1300	1200	12700

EKOTEK HEAT TECHNOLOGIES HAVE THE RIGHT TO MAKE CHANGES IN STANDARDS, DESIGNS, VS, DIMENSIONS, WEIGHTS AND MODELS WITHOUT NOTICE.

NOTE: The recommended chimney diameter is calculated as an average of 400 m altitude. The diameter of the chimney is the minimum size and may vary.

THE SYSTEM WORKS AS MUCH AS PRESSURE LOSSES, SO THE DATA IN THE TABLE VARY DEPENDING ON PRODUCTION AND INSTALLATION.