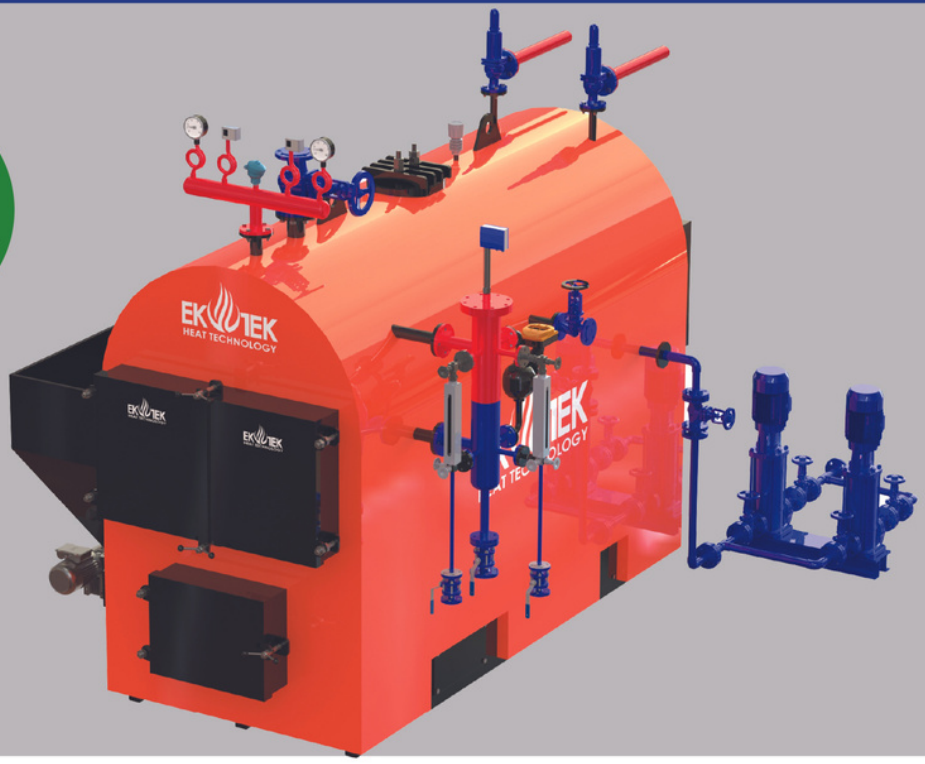
THUNDERBOLT SERIES

160 kg/h - 3200 kg/h steam production capacity
Working pressure between 3 – 16 bar

HIGH
CAPACITY
HIGH
EFFICIENCY



• Thanks to its large water and steam volume, it provides high performance in intense and continuous working conditions and sudden steam withdrawals.
• Thanks to its high heating surface, it provides the opportunity to obtain drier and higher energy steam.
• It offers comfortable and highly efficient combustion performance with its low counter pressure values.
• Thanks to its 3-pass design, it distributes the heat obtained equally to all surfaces, providing maximum heat transfer and fuel savings.
• Fuel supply is from the bottom and direct contact of the flame with the combustion chamber is provided.
• Our boilers do not cause noise pollution with their silent operation.
• Air sent to the primary with the help of a fan; It provides a controlled and clean smokeless combustion.
• Design and Manufacturing upper pressure limit in Half Cylindrical Steam Boilers has been determined as 8 Bar;
In order to meet customer expectations, it can be manufactured by increasing the production capacity range according to the needs.
• OUR COMPANY RECOMMENDS YOU TO USE AUTOMATIC DIB BLOWdown AND SURFACE BLOWdown IN THE SYSTEM.
(MANUAL BLOWFLOWS ARE AVAILABLE IN PACKAGE SYSTEMS)
• Ekotek Heating Technologies 5 types of safety systems are used in all steam boilers. All safety systems, including steam temperature, mechanical pressure, digital pressure, safety valve, chimney temperature controls, as well as boiler feeding pumps, are used in double standard packages.

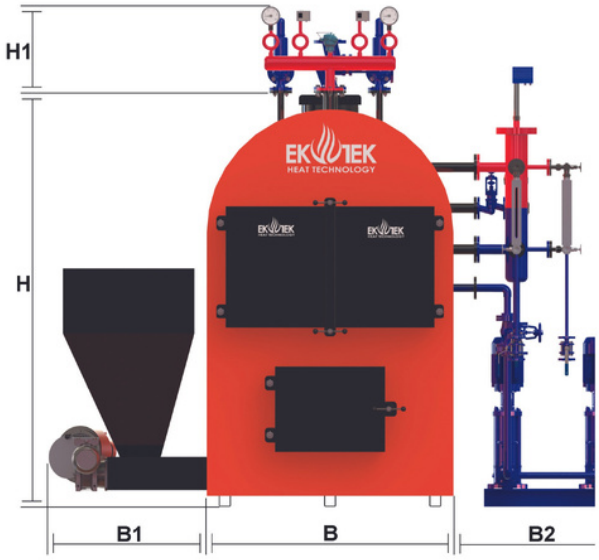
% 100 SAFE , USER-FRIENDLY

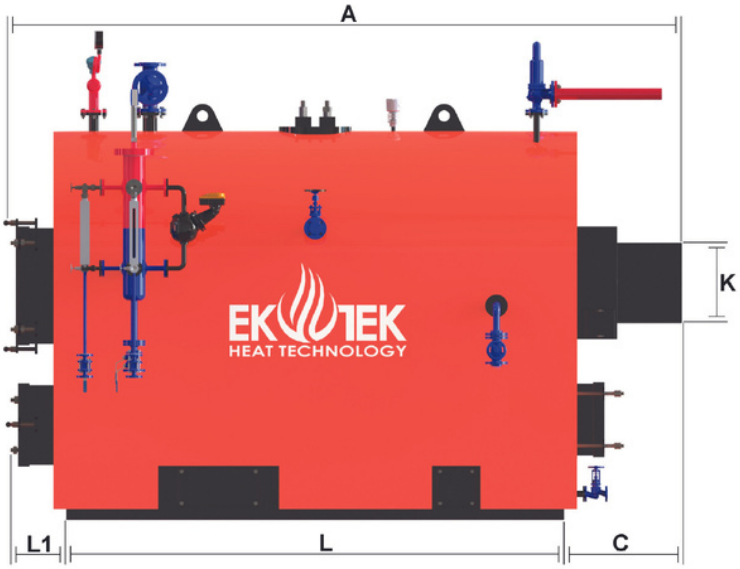
solid

Min 112 kW - Max 2233 kW

SOLID FUEL, THREE PASS, SEMI CYLINDRICAL STEAM BOILERS

- Smoke tubes are welded with mirrors and provide safer and long-lasting operation.
- Heat loss is prevented thanks to strong insulation with glass wool or rock wool.
- Digital Analog or optional PLC control panel.
- With its stylish appearance, it is noticed with its compatibility in the environment it is in.
- Easy to install.
- Easy to Maintain.
- For systems that burn pellets, powder fuel, wood chips, etc. for different fuel types, please contact us!





MODEL	CAPACITY					Dimensions										WATER VOLUME	BOILER FLANGES					FUEL TANK CAPACITY		MIN. CONDENSATE TANK CAPACITY	COUNTER-PRESSURE	SMOKE TUBE	INSULATION PROPERTIES	RECOM. MIN. CHIMNEY DIMENSIONS ø	APPROXIMATE WEIGHT
																	STEAM OUTPUT	SAFETY	WATER INLET	BOTTOM BLOWDOWN	SURFACE BLOWDOWN	COAL	OLIVE POMANCE						
BİRİM	M²	KCAL/H	KW	MW	KG/H	A	B	B1	B2	C	H	H1	K	L	L1	LT	DN	DN	DN	DN	DN	KG	KG	LT	MBAR	øMM	MM	øMM	KG
THUNDERBOLT 10A	10	96.000	112	0,11	160	2150	980	900	950	600	1920	520	225	1550	150	570	32	25/40	32	40	32	150	125	160	3,5	76,1	100	225	1130
THUNDERBOLT 15A	15	144.000	167	0,17	240	2150	1000	900	950	600	1970	520	250	1730	150	960	40	25/40	32	40	32	150	125	240	4	76,1	100	250	1675
THUNDERBOLT 20A	20	192.000	223	0,22	320	2520	1000	900	950	650	2150	520	300	1950	150	1220	50	25/40	32	40	32	200	175	320	4,5	76,1	100	300	2025
THUNDERBOLT 25A	25	240.000	279	0,28	400	2760	1230	1100	950	650	2190	520	350	2050	200	1440	50	25/40	32	40	32	200	175	400	6	76,1	100	350	2820
THUNDERBOLT 30A	30	288.000	335	0,33	480	2950	1260	1100	950	650	2400	520	350	2230	200	1752	65	25/40	32	40	32	200	175	480	6	76,1	100	350	2950
THUNDERBOLT 35A	35	336.000	391	0,39	560	3110	1500	1100	950	650	2735	520	400	2370	200	1940	65	25/40	32	40	32	200	175	560	6	76,1	100	400	3110
THUNDERBOLT 40A	40	384.000	447	0,45	640	3360	1500	1100	950	700	2780	520	450	2620	200	2300	65	25/40	32	40	32	200	175	640	6,7	76,1	100	450	3470
THUNDERBOLT 45A	45	432.000	502	0,50	720	3360	1550	1100	950	700	2800	520	450	2620	200	2750	65	25/40	32	40	32	200	175	720	8	76,1	100	450	3830
THUNDERBOLT 50A	50	480.000	558	0,56	800	3360	1550	1100	950	700	2900	520	450	2620	250	3300	65	25/40	32	40	32	200	175	800	8	76,1	100	450	4020
THUNDERBOLT 60A	60	576.000	670	0,67	960	3650	1650	1100	950	700	3250	520	500	2900	250	3960	80	25/40	32	40	32	200	175	960	8,5	76,1	100	500	4824
THUNDERBOLT 70A**	70	672.000	781	0,78	1120	3800	1850	1100	950	700	3300	520	550	3000	250	4620	80	32/50	32	40	32	400	350	1120	9	76,1	100	550	5628
THUNDERBOLT 80A**	80	768.000	893	0,89	1280	3950	1900	1100	950	850	3450	520	550	3150	250	5280	100	32/50	32	40	32	400	350	1280	9	76,1	100	550	6432
THUNDERBOLT 90A**	90	864.000	1005	1,00	1440	4150	2000	1100	950	850	3720	520	600	3300	300	5940	100	32/50	32	40	32	400	350	1440	10,5	76,1	100	600	7236
THUNDERBOLT 100A**	100	960.000	1116	1,12	1600	4250	2150	1100	950	850	3800	550	600	3500	300	6600	100	32/50	32	40	32	400	350	1600	11	76,1	100	600	8040
THUNDERBOLT 125A**	125	1.200.000	1395	1,40	2000	4700	2150	1100	950	850	3900	550	650	3900	300	8250	125	40/65	32	40	32	400	350	2000	11	76,1	100	650	10050
THUNDERBOLT 150A**	150	1.440.000	1674	1,67	2400	5000	2250	1100	950	850	4150	550	700	4200	300	9900	125	40/65	32	40	32	400	350	2400	12	76,1	100	700	12060
THUNDERBOLT 175A**	175	1.680.000	1953	1,95	2800	5500	2250	1100	950	900	4250	550	750	4700	300	11550	125	50/80	32	40	32	400	350	2800	12,5	76,1	100	750	14070
THUNDERBOLT 200A**	200	1.920.000	2233	2,23	3200	5850	2350	1100	950	900	4400	550	800	5000	300	13200	150	50/80	32	40	32	400	350	3200	12,5	76,1	100	800	16080

EKOTEK HEAT TECHNOLOGIES HAS THE RIGHT TO MAKE CHANGES IN DIMENSIONS, WEIGHTS AND MODELS WITHOUT NOTICE ACCORDING TO THE CHANGE IN STANDARDS, DESIGN, ETC.

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 DATA IN THE TABLE IS MADE BASED ON 8 BAR PRESSURE. DATA MAY VARY DEPENDING ON PRESSURE.