



BETA KAZAN
BETA KAZAN Boiler Company



BHE MODEL
Heat Exchanger

Technical Specifications

Your Industrial Energy Strength



www.betakazan.com



Company Profile

With a solid 15 years' experience in the industry, **BETA KAZAN Boiler Company** offers energy solutions for domestic and industrial applications of all sizes thanks to its extensive portfolio and activities that include steam, hot water and hot oil boilers, solid fuel and waste burning systems, heat exchangers, feed water preparation systems, chimney filtration systems and dust collection.

BETA KAZAN Boiler Company is dedicated to swiftly fulfill its commitments, even amidst competitive market conditions, as well as to fully meet customers' expectations while offering top tier services thanks to its professional team, consequently establishing the company as a trusted partners in more than 500 projects both locally and internationally.

All **BETA KAZAN Boiler Company's** products are built in the capital Ankara which makes it easy to deliver at all kinds of points throughout the Middle East, Eastern Europe and Western and Central Asia.

BETA KAZAN Boiler Company is proud to be certified in TS EN ISO 9001, reflecting its commitment to quality management; TS EN ISO 14001, demonstrating its dedication to effective environmental management; and TS EN ISO 45001, showcasing its focus on maintaining a safe and healthy work environment. These certifications affirm the company's adherence to top international standards in quality, sustainability, and occupational health and safety.

BETA KAZAN Boiler Company is an honorable member of:



**Boiler and Pressure Vessel
Industrialists Association**



**Turkish HVAC&R
Exporters Association**



EŐanjör, herhangi bir fiziksel temas olmaksızın aralarında sıcaklık farkı olan sıvı veya gaz iki akışkanın birinden diğere ısı transferini sağlayan devre elemanıdır.

Bakır boru veya çelik boru serpatinli TS EN 10217-1'e uygun buhar, kızgın su, kalorifer devresinden sıcak su elde etmek amacıyla tasarlanmış karşı akımlı, gövdesi St 37 malzemeden, bakır borusu TS 8324 EN 12451'e göre imal edilmiştir.

Açık ve kapalı sistemlerde kalorifer kazanları güneş kolektörleri ve diğeri ısıtma cihazlarıyla birlikte kullanılır.

Komple paslanmaz, sıcak galvaniz daldırma ve epoxy boyalı olarak imal edilmektedir.

Dizayn basıncına bağılı olarak yüksek binalardaki basınç dalgalanmalarına dayanıklıdır.

Sıcak suya ihtiyaç duyulan otelerde, konutlarda, hizmet sektöründe, endüstriyel tesislerde yüksek kapasitelerde sıcak su kullanımı sağlar.

Türbülanslı akışkan hareketi sayesinde maksimum ısı transferi sağlar.

The heat exchanger is a circuit element that provides heat transfer between two liquid or gas fluids with a temperature difference between them without any physical contact.

Copper pipe or steel pipe serpentine is manufactured in accordance with TS EN 10217-1, designed to obtain steam or hot water from the heating circuit. The other fluid's circuit's outer body are made of St 37 and the copper piping is manufactured according to TS 8324 EN 12451.

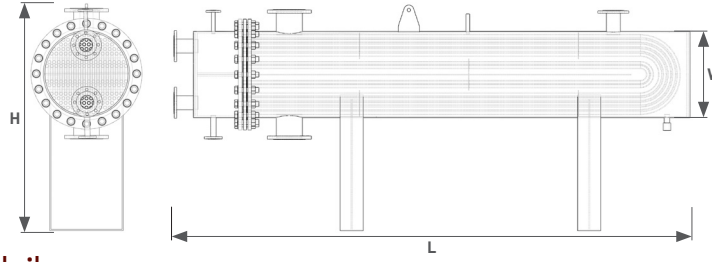
It is also used in open and closed systems with heating boilers, solar collectors and other heating devices.

It is manufactured as completely stainless, hot dip galvanized and epoxy painted.

It is resistant to pressure fluctuations in high-rise buildings depending on the design pressure.

It provides high capacity hot water use in hotels, residences, service sector, industrial facilities where hot water is needed.

It provides maximum heat transfer thanks to turbulent fluid movement.



Isı Eşanjörü Teknik Bilgiler Heat Exchanger Technical Information

Isıtma Yüzeyi Heating Surface (m ²)	Ölçüler Dimensions			Buhar İşletme Basıncına Göre Isı Gücü (x1000 kcal/h) Heat Power by Steam Operating Pressure (x1000 kcal/h)							Buhar Giriş Flanşı Steam Inlet Flange DN (mm)	Kondens Çıkış Flanşı Condensate Outlet Flange DN (mm)	Su Giriş ve Çıkış Flanşı Water Inlet and Outlet Flange DN (mm)
	W (mm)	L (mm)	H (mm)	0,5 bar	1 bar	2 bar	3 bar	4 bar	5 bar	6 bar			
1,5	200	1720	500	18.4	23.9	31.4	37.7	55	74	95	32	20	65
2	200	2200	500	22	30	60	135	150	165	250	40	25	80
2,5	200	2670	500	32	40	110	155	280	310	380	40	25	80
3	200	3150	550	34.5	48	130	200	290	385	465	50	25	80
3,5	250	2245	550	37	60	154	295	388	495	590	50	25	80
4	250	2515	550	39	67	178	300	445	525	650	65	32	80
4,5	250	2775	550	61	112	240	410	570	705	830	65	32	80
5	250	3045	550	65	150	305	525	750	895	1000	65	32	80
5,5	250	3315	550	80	200	320	570	825	900	1050	80	32	100
6	300	2230	600	85	220	325	680	850	1050	1200	80	40	100
7	300	2540	600	92	275	550	790	1080	1300	1500	80	40	100
8	300	2840	600	175	340	720	1030	1400	1650	1800	80	40	100
9	300	3140	600	247	500	940	1370	1680	1910	2450	80	40	100
10	300	3450	600	310	575	1050	1500	1950	2200	2500	80	40	100
11	350	2810	650	315	630	1155	1600	2000	2300	3000	100	50	125
12	350	3030	650	340	700	1200	1800	2180	2550	3200	100	50	125
13	350	3250	650	380	760	1450	2100	2280	2980	3400	100	50	125
14	350	3470	650	475	815	1560	2200	2500	3250	3500	100	50	125
15	400	2870	700	500	840	1670	2350	2880	3300	3550	100	50	125
16	400	3030	700	510	950	1740	2600	3100	3600	4100	125	65	125
17	400	3190	700	525	1075	1950	2650	3300	3800	4150	125	65	125
18	400	3350	700	620	1150	2250	2890	3380	4000	4480	125	65	125
19	400	3510	700	760	1350	2500	3000	3800	4300	4800	125	65	125
20	500	2435	800	820	1420	2650	3060	4000	4600	5050	125	65	125
22	500	2640	800	830	1560	2960	3200	4100	4690	5200	125	65	150
25	500	2935	800	935	1775	3370	3300	4800	5600	6300	150	65	150
30	500	3430	800	1050	2130	3700	3800	6400	7400	8300	150	65	150
35	600	2855	900	1225	2485	3800	5150	6600	7800	8800	150	80	200
40	600	3190	900	1400	2700	4900	5200	8350	9600	10800	200	80	200
45	600	3525	900	1570	3500	5500	6600	9650	11300	12500	200	80	200
50	700	2970	1000	1600	3890	6100	8000	9850	11500	12600	200	100	200
55	700	3220	1000	1950	4275	6700	9200	11500	13000	14500	200	100	250
60	700	3460	1000	2580	4600	7860	10500	12500	14500	16000	200	100	250
70	800	3040	1100	3010	4800	8400	11500	14500	16500	19000	250	100	250
80	800	3395	1100	3600	6350	11000	14600	17500	20000	22800	250	100	250

Katalog değerleri üzerinde değişiklik yapma hakkı firmamızca saklı tutulmuştur. *The right to change values in the catalogue is reserved to the company.*

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A custom design is possible.



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Saray Mahallesi Saraykent Sanayi Bölgesi, 64. Cad., No: 17/A, 06980 Kahramankazan / Ankara / TÜRKİYE
Tel.: +90 312 815 25 25 • Fax: +90 312 815 25 40

www.betakazan.com
info@betakazan.com