



Company profile

Our vision:
 Become a leading global energy-saving equipment design and manufacturing company

Our mission:
 Achieve employees internally and customers externally

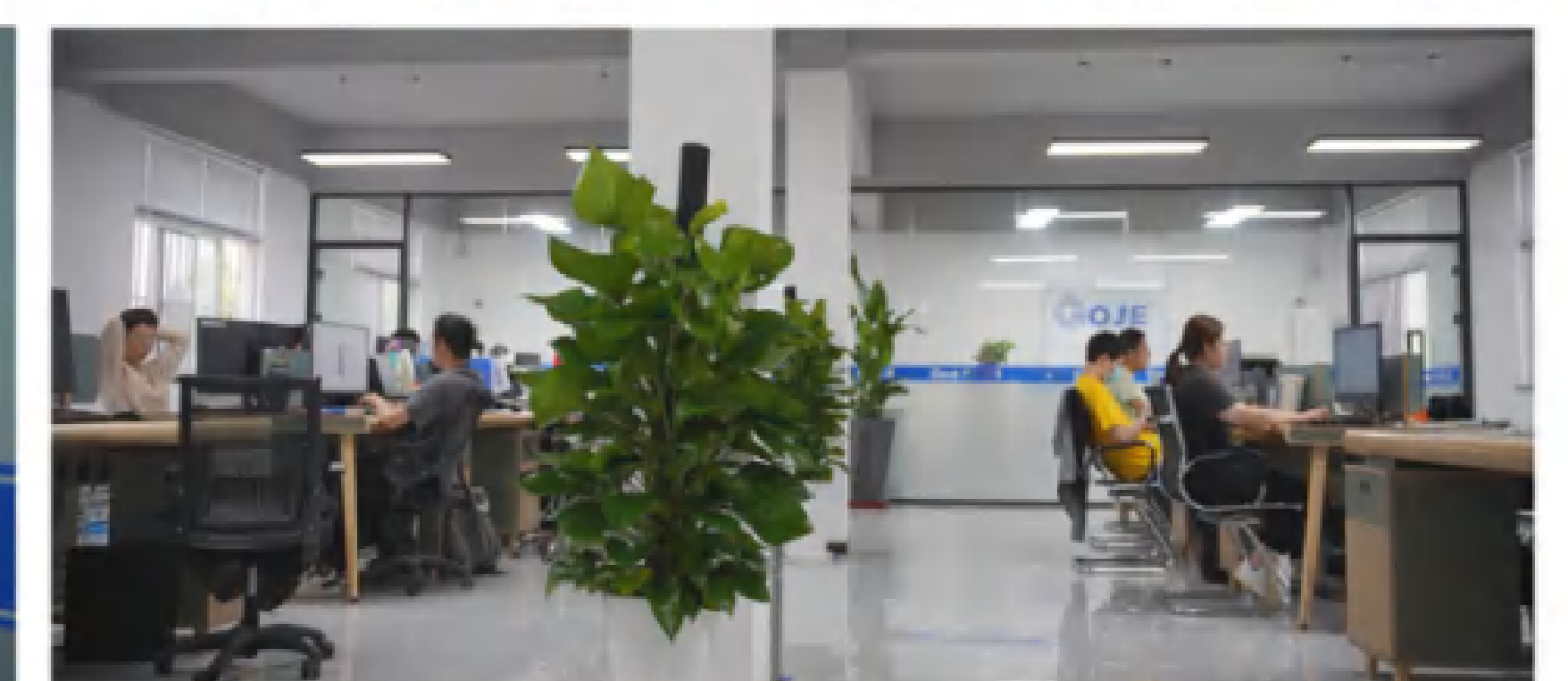
Our philosophy:
 Provide comprehensive energy-saving equipment application solutions

Our values:
 Customer first
 Teamwork
 Welcoming change
 Gratitude and dedication

Jiangsu Gaojie Energy Saving Equipment Group Co., Ltd. is a professional manufacturer specializing in the design, production, and sales of heat exchanger, condenser, multi-effect evaporation and concentration devices, MVR evaporation devices, and evaporation crystallization equipment. It is a national high-tech enterprise.

After years of development, the company has developed a complete set of modern management and production models. The design and production of each product strictly follow the requirements of the ISO9001:2015 quality management system, ensuring the excellence and stability of product quality. Manage each stage of the product according to the concept of lifecycle. The company has passed multiple system certifications, including quality management system, environmental management system, occupational health and safety management system, EU CE, and so on. And the company has a strong talent team from research to production, The pursuit of excellence and innovation have driven the continuous development and innovation of our company. We have obtained dozens of product patents and multiple products have been recognized as high-tech products by the Jiangsu Provincial Department of Science and Technology. The MVR plate evaporation device has also been recognized as the first major key component in Jiangsu Province and Nanjing City. The product is widely used in industries such as metallurgy, food, petrochemical, pharmaceuticals, beverages, wastewater, refrigeration, etc.. And the equipment is exported to Southeast Asia, Africa, Europe and other places, and has been selected by many well-known enterprises at home and abroad, with a high reputation for the products.

For many years, the company has adhered to the business policy of "quality first, reasonable price, and honest service", and satisfying users is our highest purpose. We welcome new and old customers to visit and guide our company, negotiate business and technical cooperation.



Quality control

ОО «ТИ-СИСТЕМ» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ
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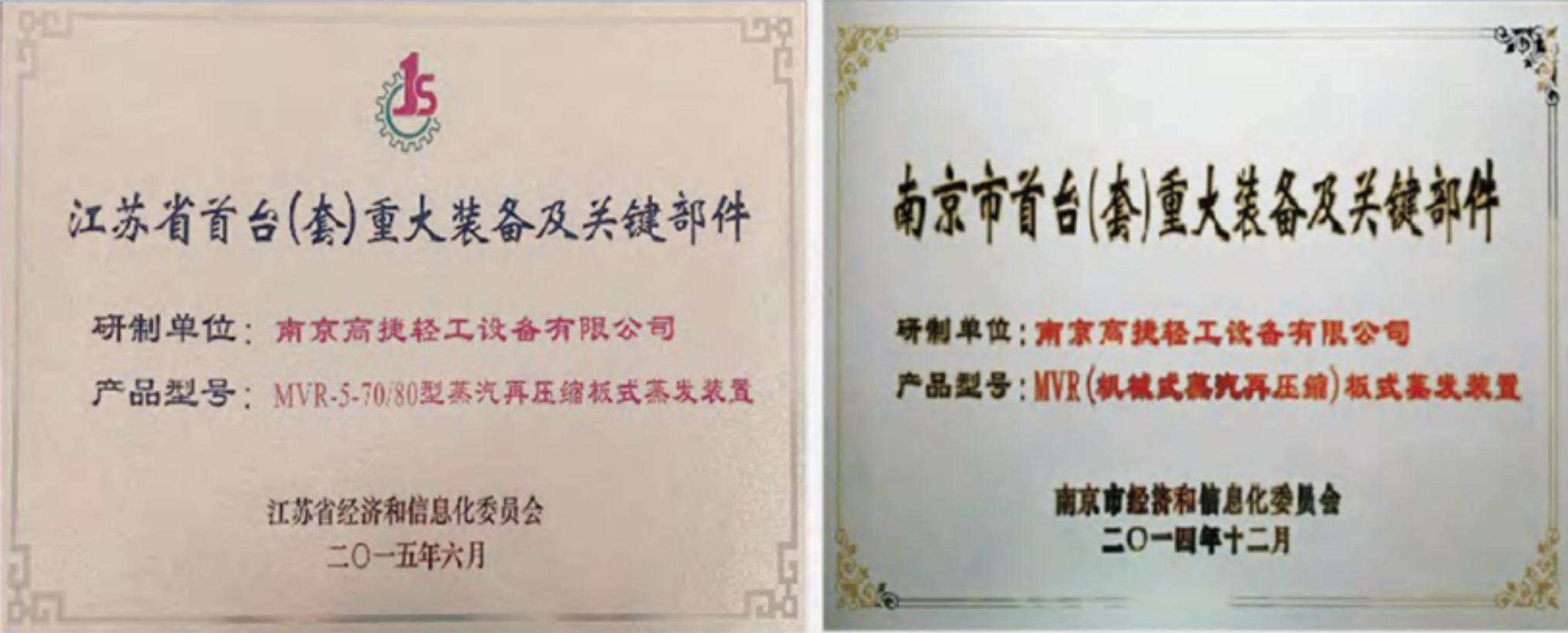
Company business license



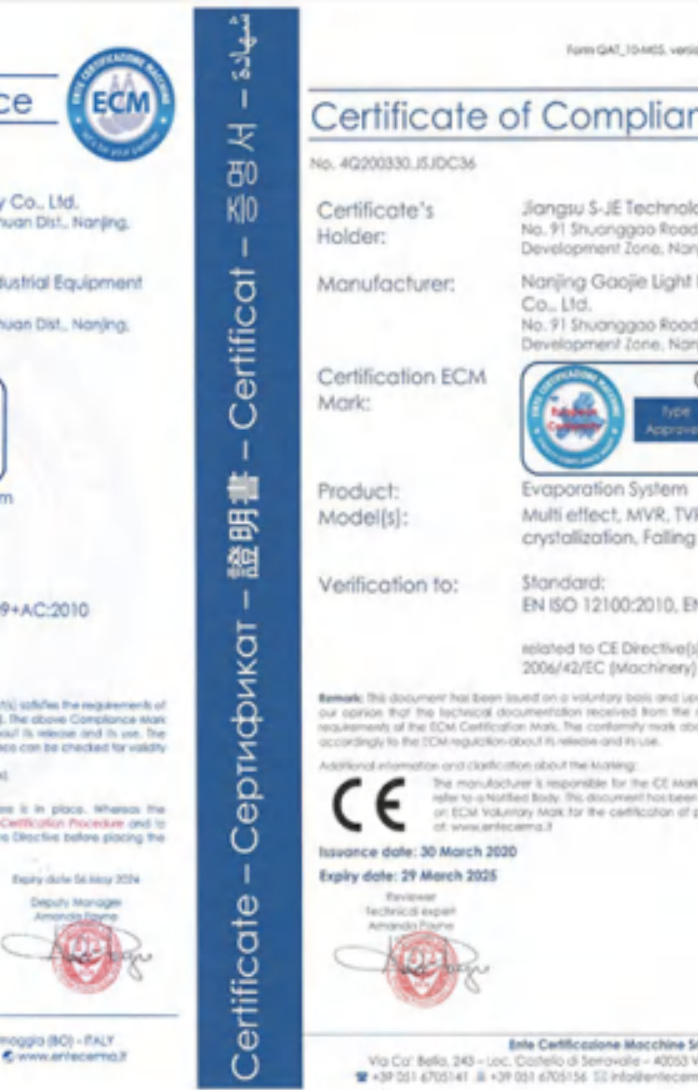
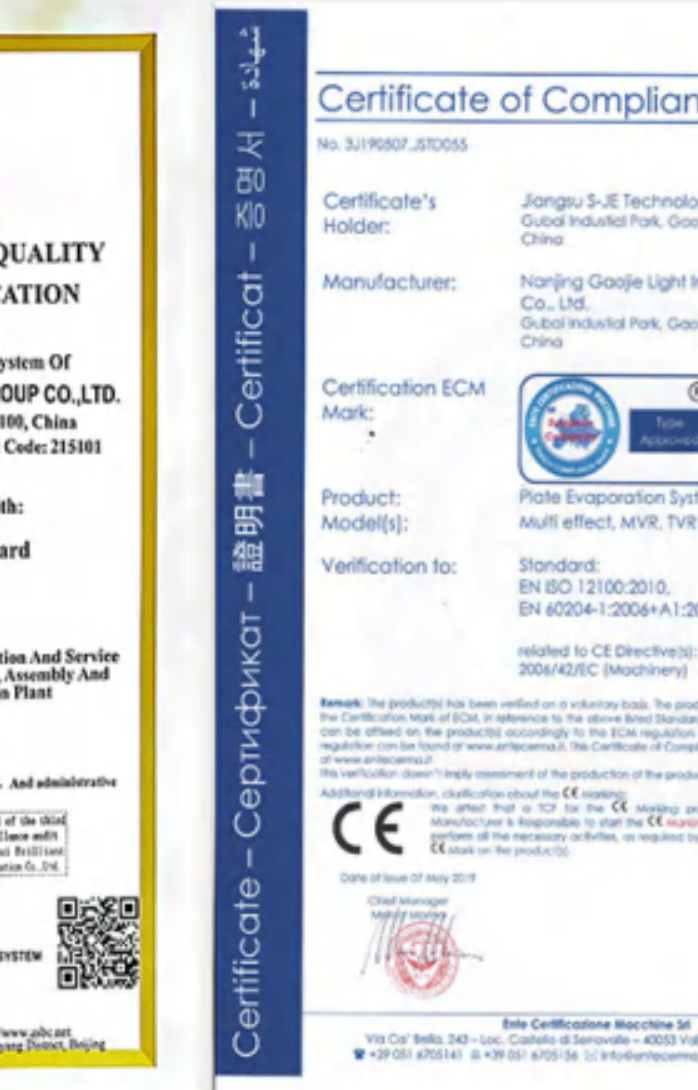
High-tech enterprise



MVR evaporator is listed as the first provincial set



Goje Group three years into the large tax payers



Company invention patent:



Company utility patent:





We have over 20 years of development history in energy-saving technologies such as fluid heat exchange, evaporation concentration, and waste heat recovery. We have rich design and manufacturing engineering experience in industries such as biotechnology, sugar and alcohol fermentation, food and beverage, pharmaceutical and health products, fine chemicals, and wastewater environmental protection. We only focus on the field of heat exchange and evaporation and become a leader in the energy-saving industry.



The MVR plate evaporation system has won the honor of being the first set of products at the provincial and municipal levels in China; The semi welded heat exchanger and plate evaporation device have been awarded high-tech products, national high-tech enterprises, municipal engineering technology centers, and municipal famous brand products. The company has passed multiple system certifications such as quality management system, environmental management system, occupational health and safety management system, and EU CE, etc..



A comprehensive ERP management software ensures excellent quality and process control in every design, production, and manufacturing process.



Each product comes with a QR code traceability program software, and each shipment of equipment is equipped with inspection reports, drawings, and company qualification information, ensuring that all equipment can be queried at any time during customer use.



All product heat exchangers, evaporators, and condensers use advanced heat balance calculation software imported from Canada, which can accurately improve calculation results and effectively reduce customer equipment investment costs.



All equipment production can detect the records and results of the pressing process, and the pressure test data sheet is constantly monitored and controlled by the computer.



Among peers, it is one of the few manufacturers that designs and produces various forms of heat exchangers, as well as turnkey projects for tube and plate evaporative crystallization systems and non-standard separators.



We have multiple professional agents and service providers overseas, which can effectively and quickly solve pre-sales and after-sales problems (Thailand, Vietnam, Indonesia, Malaysia, the United States, etc.).

01

Experience

One of the earliest domestic enterprises specializing in the production and manufacturing of heat exchangers has 30 years of experience in the design, development and manufacture of various plate heat exchangers.

02

Professional engineer

The number one plate heat exchanger - the editor-in-chief of this industry standard "Yang Chonglin" is the first chief engineer of our company.

03

Many mold specifications

With deep design experience for plate heat exchanger molds and gasket molds, the company now has hundreds of self-developed product molds with different specifications and runners for selection.

04

Foreign accessories and services

The company also has other foreign brand plate heat exchanger accessories and services to maximize the reduction of customer equipment maintenance costs in the later period.

05

Years of parameter accumulation

With years of accumulated fluid heat conduction physical parameters, it can quickly and accurately judge the problems existing in operation.

06

Various products

Unique semi-welded heat exchanger, laser fully welded heat exchanger, large channel wide flow channel heat exchanger and laser welded plate condenser.

07

Special semi-welded heat exchanger

In the field of food deep processing and air-conditioning refrigeration, various forms of special semi-welded heat exchangers developed by our company can be selected to meet the refrigeration requirements and supporting facilities of different customers.

08

Unique Wide Channel Plate Type

For the high-viscosity and easy-to-foul material heat exchange industry, there is a unique wide-channel plate type to meet customer needs.

09

Asymmetric channel

The asymmetric channel heat exchanger solves the working condition when the flow rate on both sides is very different.

10

Special titanium

The special form of titanium plate heat exchanger for classification society has provided different forms of special heat exchange equipment for several domestic ship organizations.

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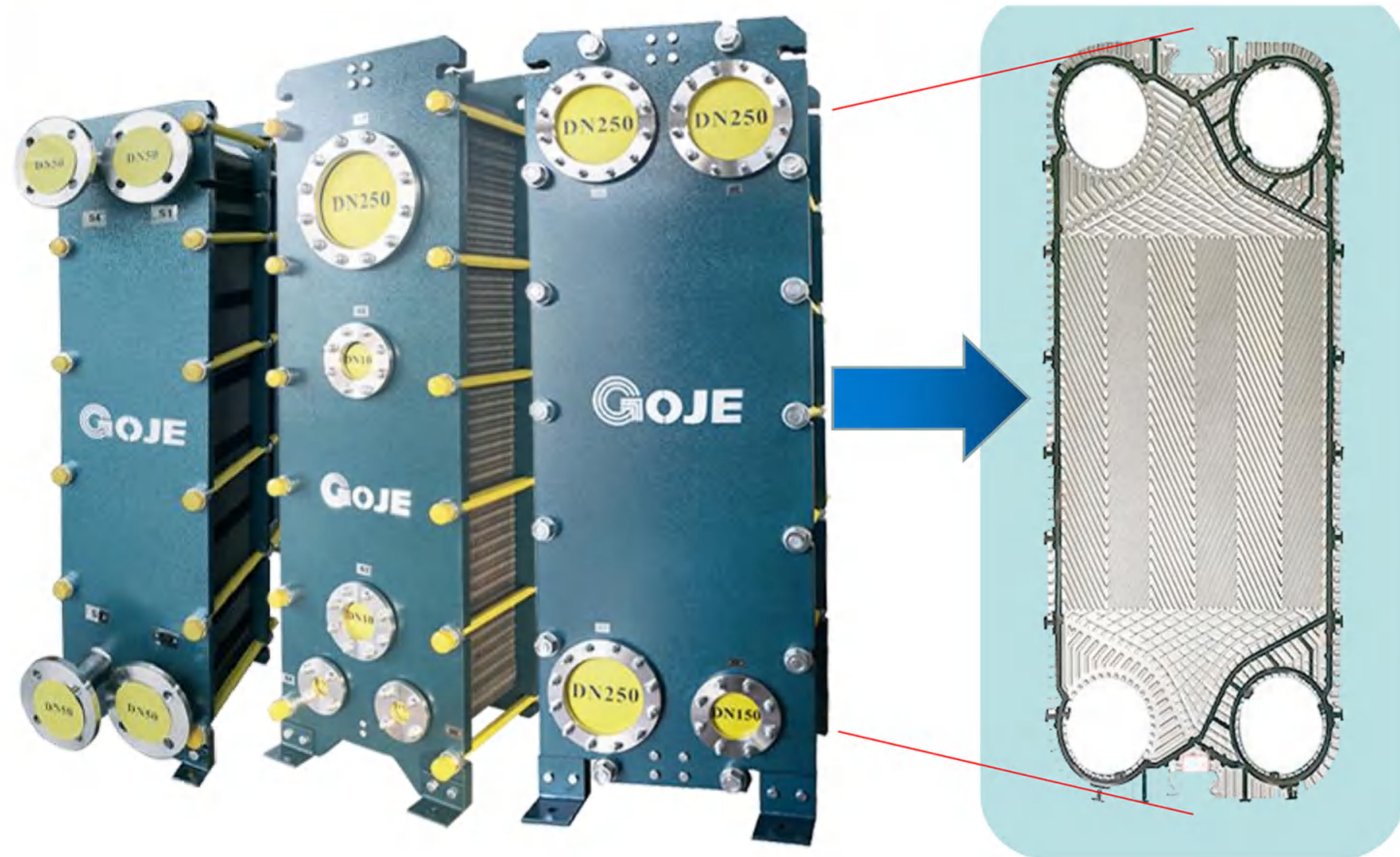
Abundant heat exchange equipment

The heat exchange equipment is rich and varied, covering different forms such as detachable, semi-welded, fully welded, tube-and-shell, brazed, etc., and the customer's choice is not limited.

Material of heat exchanger

Sheet material and applicable scope

Stainless steel S30408\S31603	Purified water, river water, cooking oil, mineral oil
Titanium and Titanium Palladium	Sea water, hydrochloric acid, phosphoric acid
Hastelloy	Concentrated brine, brine, phosphoric acid
Nickel	High temperature, high concentration caustic soda
Molybdenum	Dilute sulfuric acid, dilute salt compound aqueous solution, inorganic aqueous solution



2.Gasket Material & Application Scope & Temperature

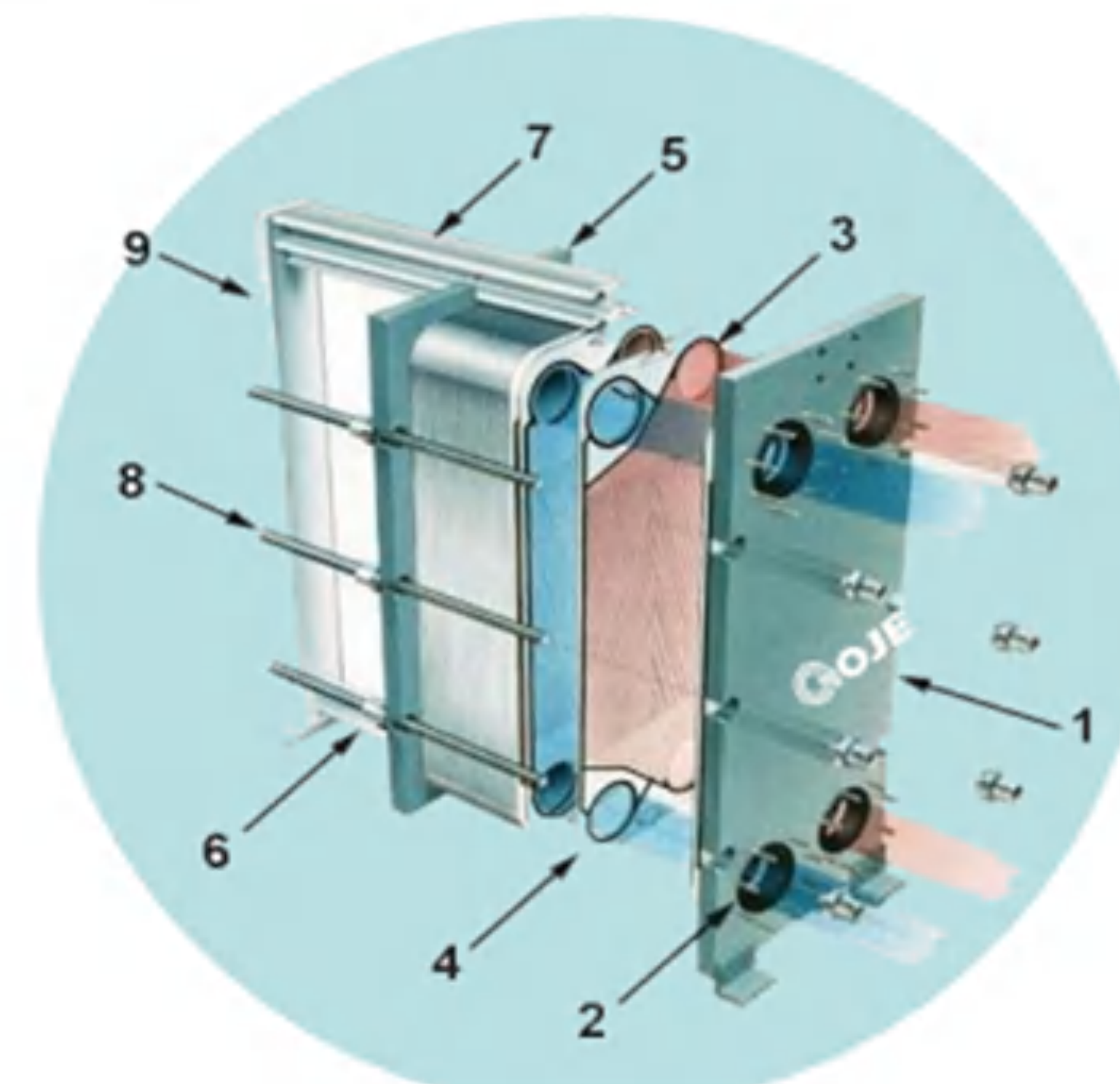
NBR	Water, sea water, mineral oil, salt water	-15~120°C
EPDM	Hot water, steam, acid, alkali	-25~140°C
Fluororubber	Acid and alkali fluid	-5~200°C
Silicon rubber	Food, oil, fat, alcohol	-65~180°C

3.Frame Material

General	Carbon steel
Special	All stainless steel

4.Interface Material

General	carbon steel, 304, 316
Special	Hastelloy, titanium, other alloys



1	Fixed hold down plate
2	Interface
3	Plate
4	Gasket
5	Movable pressing plate
6	Lower guide rod
7	Upper guide rod
8	Compression screw
9	Front strut

Model list of plate heat exchanger

The dimension of GJ-A series

Model	Singel plate area	Dimension A*B	Center distance of coner hole C*D	Coner hole diameter E
GJ-A-AK20	0.50	1215*664	931.5*365	φ 210
GJ-A-CLIP10	0.63	1495*493	1324*324	φ 104
GJ-A-CLIP15	0.91	1746*619	1524*400	φ 150
GJ-A-CLIP6	0.18	997*243	859*130	φ 51
GJ-A-CLIP8	0.37	1244*369	1095*220	φ 78
GJ-A-M10M	0.22	871*371	719*223	φ 98
GJ-A-M15M	0.62	1498*496	1294*298	φ 140
GJ-A-M20M	0.85	1745*620	1479*353	φ 205
GJ-A-M3	0.03	429*125	357*60	φ 29
GJ-A-M30	1.84	2245*995	1842*596	φ 328
GJ-A-M6B	0.15	747*248	640*140	φ 59
GJ-A-M6M	0.14	747*248	640*140	φ 58
GJ-A-M6MW	0.124	748*247	640*140	φ 58
GJ-A-MA30W	1.55	2244*995	1811*561	φ 330
GJ-A-MK15BW	0.46	1044*298	1248*498	φ 140
GJ-A-MX2SB	1.50	2246*746	1939*439	φ 230
GJ-A-P16	0.03	427*123	357*60	φ 29
GJ-A-P26	0.13	709*246	592*135	φ 70
GJ-A-P36	0.36	1124*400	946*226	φ 120
GJ-A-T20B	0.90	1749*621	1478*353	φ 209
GJ-A-T20M	0.90	1745*620	1478*353	φ 204
GJ-A-T20P	0.85	1748*622	1478*353	φ 210
GJ-A-TL10B	0.50	1499*373	1338*218	φ 109.5
GJ-A-TL10P	0.50	1500*375	1338*218	φ 105
GJ-A-TL6B	0.25	1149*249	1036*140	φ 65
GJ-A-TS20M	0.29	961*621	698.5*363	φ 195
GJ-A-TS6M	0.08	509*329	380*203	φ 68

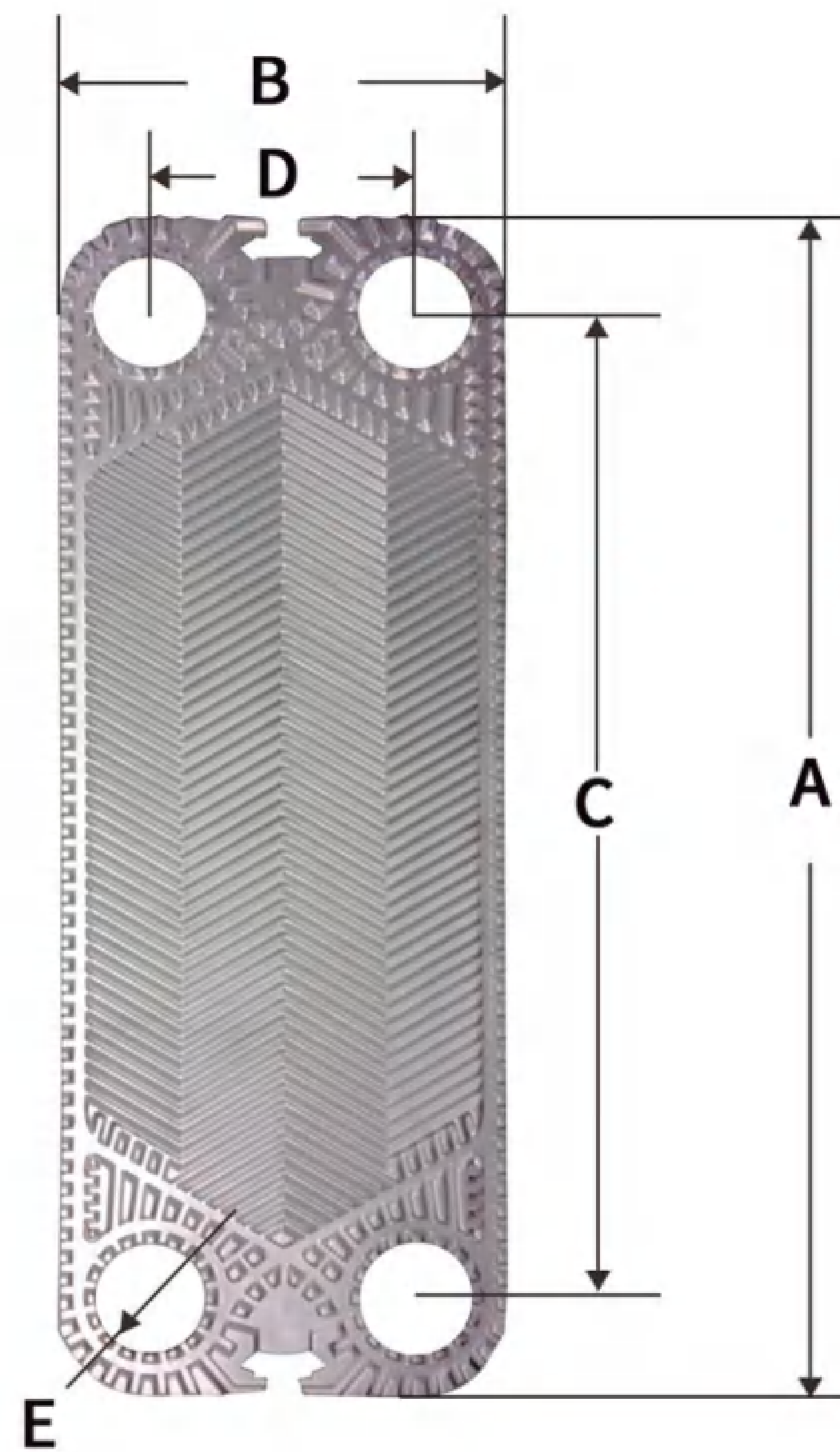
The dimension of GJ-B series

Model	Singel plate area	Dimension A*B	Center distance of coner hole C*D	Coner hole diameter E
GJ-B-A159	0.292	1080*318	984*221	φ 50
GJ-B-A161	0.53	1455*472	1240*310	φ 90
GJ-B-A192	1.40	2305*985	1885*550	φ 310
GJ-B-CT4	0.046	549*128	480*61	φ 32
GJ-B-VT10	0.10	780*212	691*118	φ 50
GJ-B-VT20P	0.26	1000*338	868*212	φ 75
GJ-B-VT20CLiP	0.26	993*340	868*212	φ 78
GJ-B-VT20	0.26	999*337	868*212	φ 79
GJ-B-V140	0.46	1400*426	1227*257	φ 115
GJ-B-VT404	0.148	646*430	481*257	φ 115
GJ-B-VT405P	0.30	1028*430	854*257	φ 118
GJ-B-VT40P	0.46	1400*426	1227*257	φ 118
GJ-B-VT80P	0.84	1762*617	1526*382	φ 175
GJ-B-VT80M	0.84	1765*617	1526*382	φ 178
GJ-B-VT80	0.84	1767*615	1526*382	φ 178
GJ-B-VT80CLiP	0.84	1754*617	1526*382	φ 180
GJ-B-V1805	0.49	1194*617	966*382	φ 283
GJ-B-VT130M	1.28	2195*812	1826*450	φ 288
GJ-B-VT1309	1.125	2008*812	1639*450	φ 288
GJ-B-VT1306	0.81	1650*812	1266*450	φ 288
GJ-B-VT130	1.28	2195*812	1826*450	φ 119
GJ-B-N40	0.45	1406*432	1227*257	φ 154
GJ-B-NT150L	0.75	1803*545	1574*314	φ 154

Model list of plate heat exchanger

The dimension of GJ-C series

Model	Singel plate area	Dimension A*B	Center distance of coner hole C*D	Coner hole diameter E
GJ-C-GC55 (G55)	0.18	1120*250	825*135	φ 50
GJ-C-GX12 (G52)	0.12	705*250	592*135	φ 68
GJ-C-GC50 (G50)	0.125	708*250	590*135	φ 70
GJ-C-GM138	0.375	1260*420	1100*260	φ 100
GJ-C-GX42 (G108)	0.44	1348*385	1188*226	φ 105
GJ-C-GX26 (G102)	0.27	940*385	779*226	φ 105



The dimension of GJ-D series

Model	Singel plate area	Dimension A*B	Center distance of coner hole C*D	Coner hole diameter E
GJ-D-H17	0.17	920*271	800*150	φ 74
GJ-D-N35	0.36	1203*371	1069*238	φ 85
GJ-D-J185	1.85	2692*746	2415*465	φ 229
GJ-D-J107	1.07	1755*746	1477.5*465	φ 229
GJ-D-J092	0.92	1567*746	1290*465	φ 229
GJ-D-J060	0.60	1192*746	915*465	φ 229
GJ-D-Junior	0.03	576*94	465*38	φ 14
GJ-D-SR1	0.09	570*210	490*130	φ 35
GJ-D-SR1 Clip	0.09	570*210	490*130	φ 35
GJ-D-HX	0.17	840*230	762*152	φ 451
GJ-D-HMB	0.34	1114*318	1022*213	φ 58
GJ-D-SR2 Clip	0.17	840*298	700*180	φ 64
GJ-D-SR3	0.35	1152*392	1022*262	φ 74
GJ-D-SR3 Clip	0.35	1152*392	1022*262	φ 74
GJ-D-SR6AA Clip	1.001	2265*475	2102*314	φ 102
GJ-D-SR6AG Clip	0.889	2055*475	1891*314	φ 102
GJ-D-SR6GL Clip	0.557	1420*475	1256*314	φ 102
GJ-D-SR6GH Clip	0.336	995*475	833*314	φ 102
GJ-D-R5 Clip	0.52	1556*416	1397*257	φ 102
GJ-D-R5	0.52	1556*416	1397*257	φ 102
GJ-D-R4-R405	0.38	1150*445	968*264	φ 127
GJ-D-R8GI	0.74	1736*545	1525*334	φ 148
GJ-D-A085	0.852	1740*590	1531*380	φ 150
GJ-D-TR9AV	1.22	2159*670	1897*409	φ 200
GJ-D-B063	0.63	1405*845	1043*486	φ 300
GJ-D-T4	0.04	450*140	381*70	φ 32

Model list of plate heat exchanger

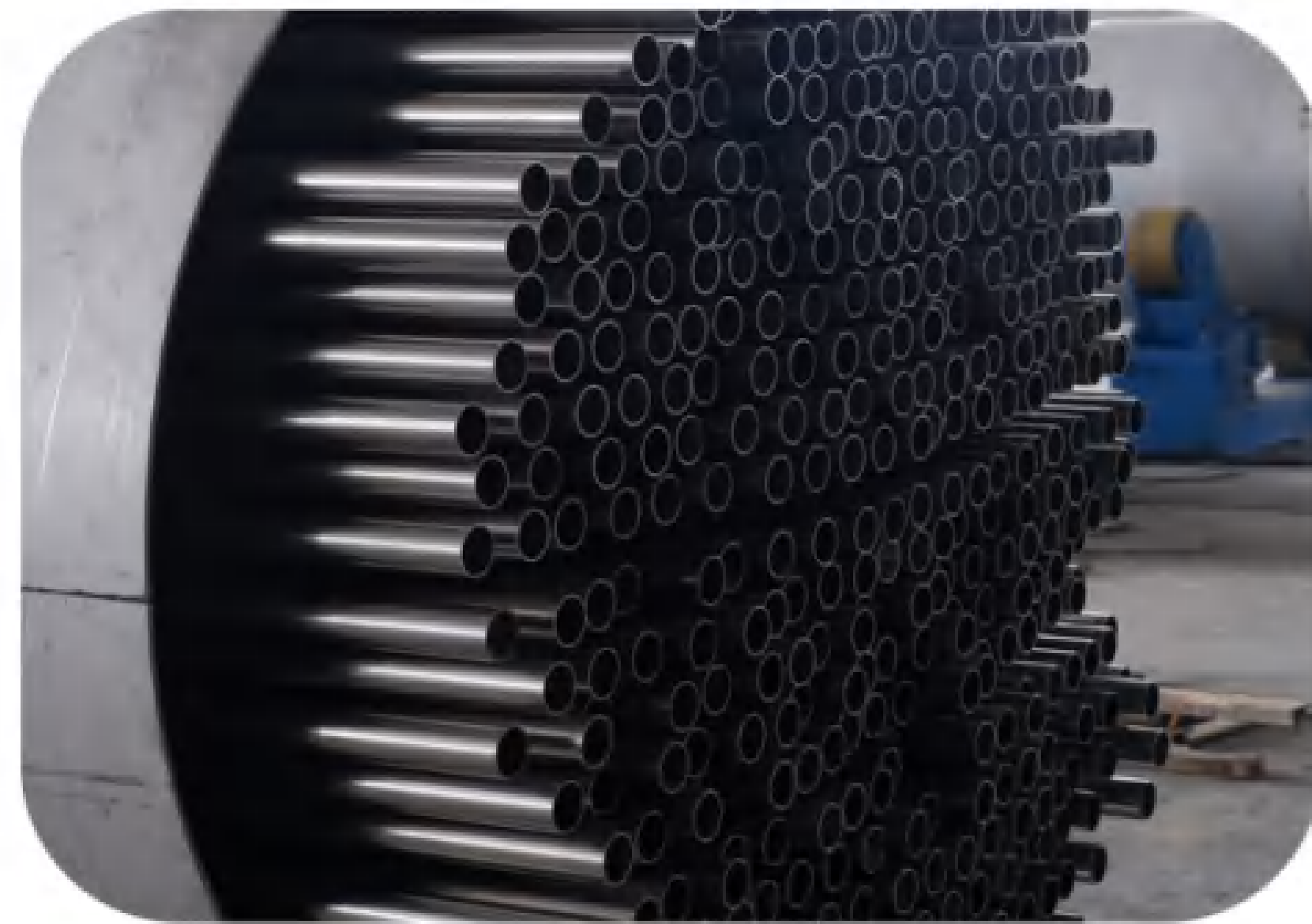
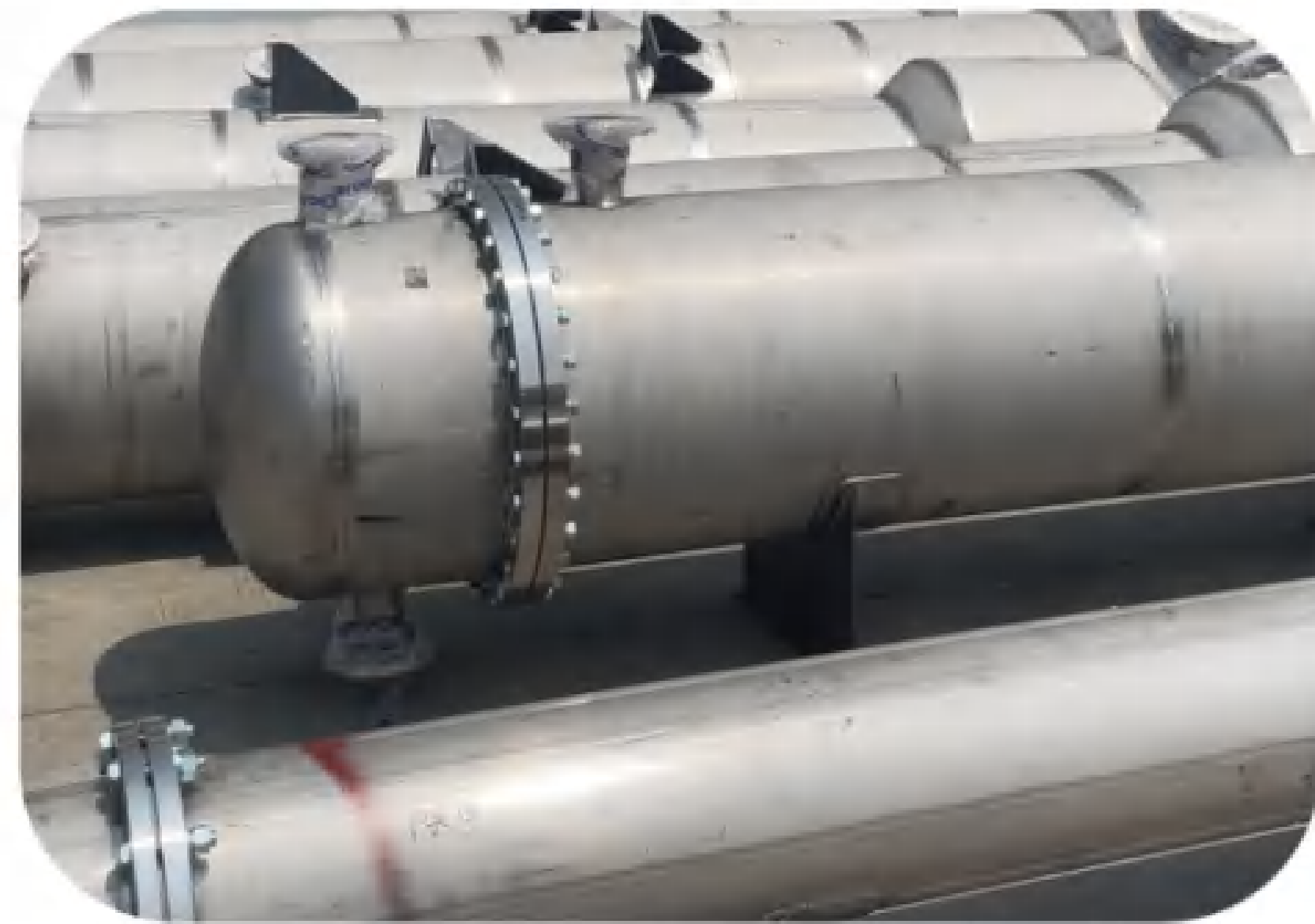
The dimension of GJ-E series

Model	Singel plate area	Dimension A*B	Center distance of coner hole C*D	Coner hole diameter E
GJ-E-S4	0.04	449*140	381*70	φ 28
GJ-E-S8	0.08	724*140	656*70	φ 28
GJ-E-S41	0.41	1100*500	890*296	φ 147
GJ-E-S41A	0.41	1100*500	890*296	φ 147
GJ-E-S43	0.43	1062*659	791*395	φ 202
GJ-E-S65	0.65	1362*659	1091*395	φ 202
GJ-E-S81	1.00	1461*868	1079*480	φ 303
GJ-E-S100	0.81	1760*659	1489*395	φ 202
GJ-E-S121	1.21	1872*868	1490*480	φ 303
GJ-E-S20	0.20	998*228	894*126	φ 61
GJ-E-S15	0.15	798*228	694*126	φ 61
GJ-E-S7	0.07	498*228	394*126	φ 61
GJ-E-S22Clip	0.26	874*380	719*225	φ 100
GJ-E-S21Clip	0.23	874*380	719*225	φ 100
GJ-E-S19	0.19	798*353	650*202	φ 100
GJ-E-S39	0.39	1298*353	1150*202	φ 100
GJ-E-S30	0.30	1098*353	950*202	φ 100
GJ-E-S50	0.50	1598*353	1450*202	φ 100
GJ-E-S58 Clip	0.58	1408*476	1237*310	φ 115
GJ-E-S35 Clip	0.35	992*476	800*283	φ 145
GJ-E-S130	1.30	2155*658	1891*395	φ 212
GJ-E-SF131	1.30	2175*675	1890*390	φ 300

The dimension of GJ-F series

Model	Singel plate area	Dimension A*B	Center distance of coner hole C*D	Coner hole diameter E
GJ-F-V4	0.04	500*125	430*62	φ 30
GJ-F-V8	0.08	553*188	641*188	φ 49
GJ-F-V20-V20 Ball	0.20	989*242	875*130	φ 70
GJ-F-V13-V13 Ball	0.13	739*242	625*130	φ 70
GJ-F-V45-V45 Ball	0.45	1472*393	1302*234	φ 100
GJ-F-V28	0.28	1052*393	882*234	φ 100
GJ-F-V55	0.55	1295*550	1133*330	φ 150
GJ-F-V100	1.00	2230.5*540	2000*310	φ 155
GJ-F-V60-V60 Ball	0.60	1510*540	1280*310	φ 155
GJ-F-V85	0.85	1750*655	1475*380	φ 200
GJ-F-V120	1.20	2050*805	1589*620	φ 250
GJ-F-V180	1.80	2530*945	2135*550	φ 300
GJ-F-V260	2.60	2992*1200	2492*700	φ 400
GJ-F-V170	1.70	2181*1200	1681*700	φ 400
GJ-F-V2	0.02	350*102	298*50	φ 20
GJ-F-V130	1.30	1980*810	1650*480	φ 255
GJ-F-V280	2.80	2992*1200	2492*700	φ 400

Tubular heat exchanger



Currently, **the shell and tube heat exchanger is the most widely used heat exchanger**. Although shell-and-tube heat exchangers cannot be compared with plate heat exchangers or fin heat exchangers in terms of compact structure, heat transfer intensity and metal consumption per unit heat transfer area, it has a wide range of operating temperatures and pressures and is manufactured. The cost is low, the cleaning is convenient, the processing capacity is large, and the work is reliable. The shell and tube heat exchangers produced by our company include coolers, heaters and condensers.

The shell and tube heat exchanger has the following characteristics:

1. Good sealing performance
2. Eliminate leaks
3. High heat exchange efficiency
4. Simple maintenance
5. Long anti-corrosion life, etc.

The cooler consists of the following parts:

Heat transfer principle: heat transfer between hot and cold fluids, one flowing in the pipe is called pipe fluid; the other flowing outside the pipe is called shell — In order to improve the heat transfer coefficient of the fluid outside the pipe, usually in Several baffles are installed in the shell, which can increase the fluid velocity on the shell side and force the fluid to pass through the tube bundle multiple times. The heat exchange tubes can be arranged on the tube plate in an equilateral triangle or square. The equilateral triangles are arranged compactly and the turbulent flow high temperature and high heat transfer coefficient. Facilitates cleaning the outside of the tube and is suitable for fluids prone to fouling.

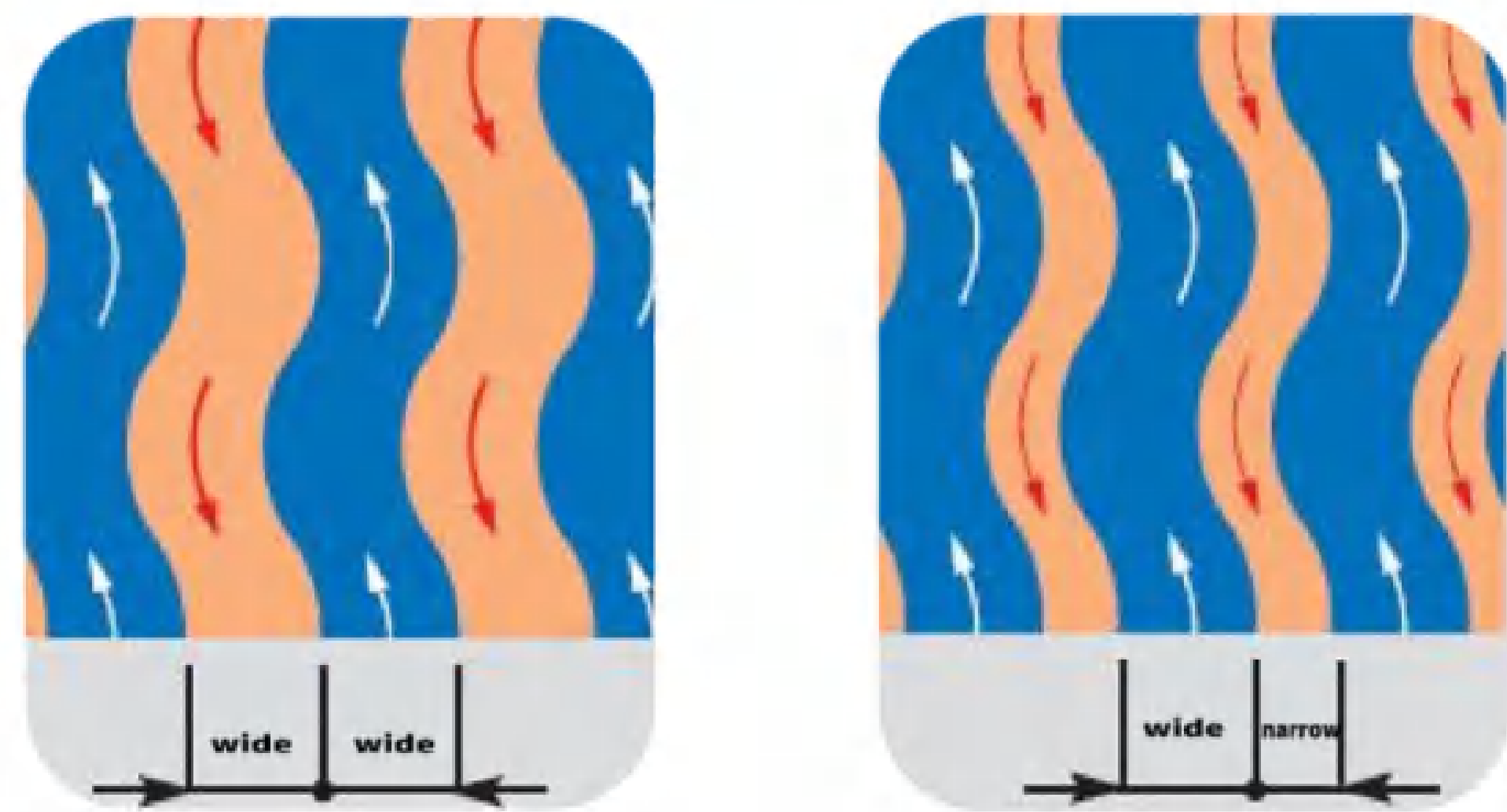




BW wide channel plate heat exchanger

Characteristics of wide channel plate heat exchanger

The wide channel plate heat exchanger is a professional product developed for various solid, crystal, fiber, slurry and high viscosity medium heat exchange conditions. Due to the special design of the heat exchange plate, the wide gap channel is smooth, the fluid flow is smooth, and there is no stagnation, no dead zone and no blockage of the channel. The special feature of this kind of plate is that the width of flow channel between plates can reach 6-16mm with unique ripple shape. Because there are no obstacles between the flow channels, even if the pulp fiber in the juice reaches 12mm in length and 20% in content, it will run smoothly. It can be widely used in wastewater waste heat recovery, sugar making, papermaking, textile, food and juice industry.



Personality

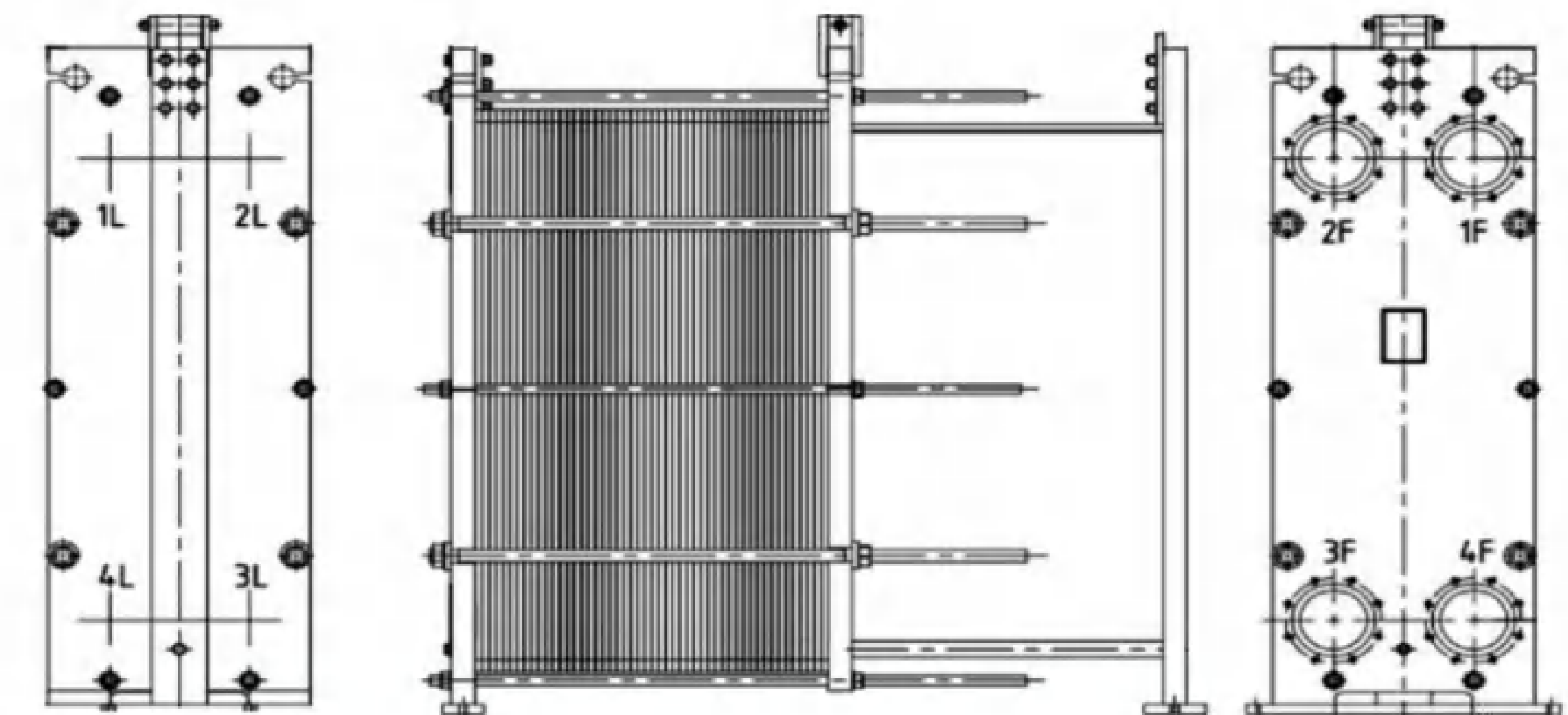
- There is no metal contact point between plates
- No more than 16 mm plate spacing
- Capable of containing a variety of products:
Solid / particlePulp / fiberViscous products



Advantages

- Mild treatment of heat sensitive products
- Improve equipment economy
- Shorten cleaning time
- Extend production time

Model	Ripple depth (mm)	Equivalent diameter (mm)	Corner hole diameter (mm)	Single plate area (mm)	Press plate thickness (mm)
BW100A	5.0	10	120	0.45	0.8~0.9
BW100B	5.5	11	120	0.52	0.8
BW200A	7.5	15	195	0.80	0.6~0.8
BW200B	12.0	24	194	0.88	1.0~1.2
BW200C	9.0	6~12	194	1.00	1.0
BW200D	11.2	22.4	196	1.23	0.8~0.9
BW250A	16.0	32	250	1.20	0.8~1.0
BW250B	16.0	32	250	1.50	0.8~1.0
BW300A	10.0	20	292	1.60	0.9~1.0
BW300B	11.0	22	292	1.45	1.0~1.2
BW350	7.5	15	348	1.87	0.8~0.9
BW0.8	8.0	5~11	195	0.80	0.7~0.8



Drawing of BW 200 wide channel plate heat exchanger

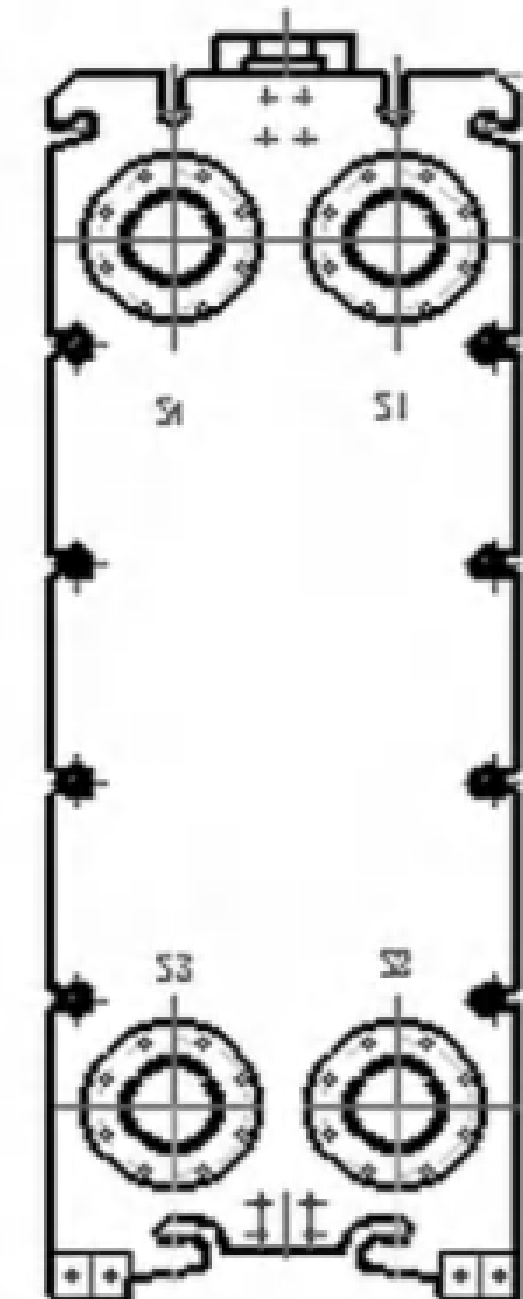
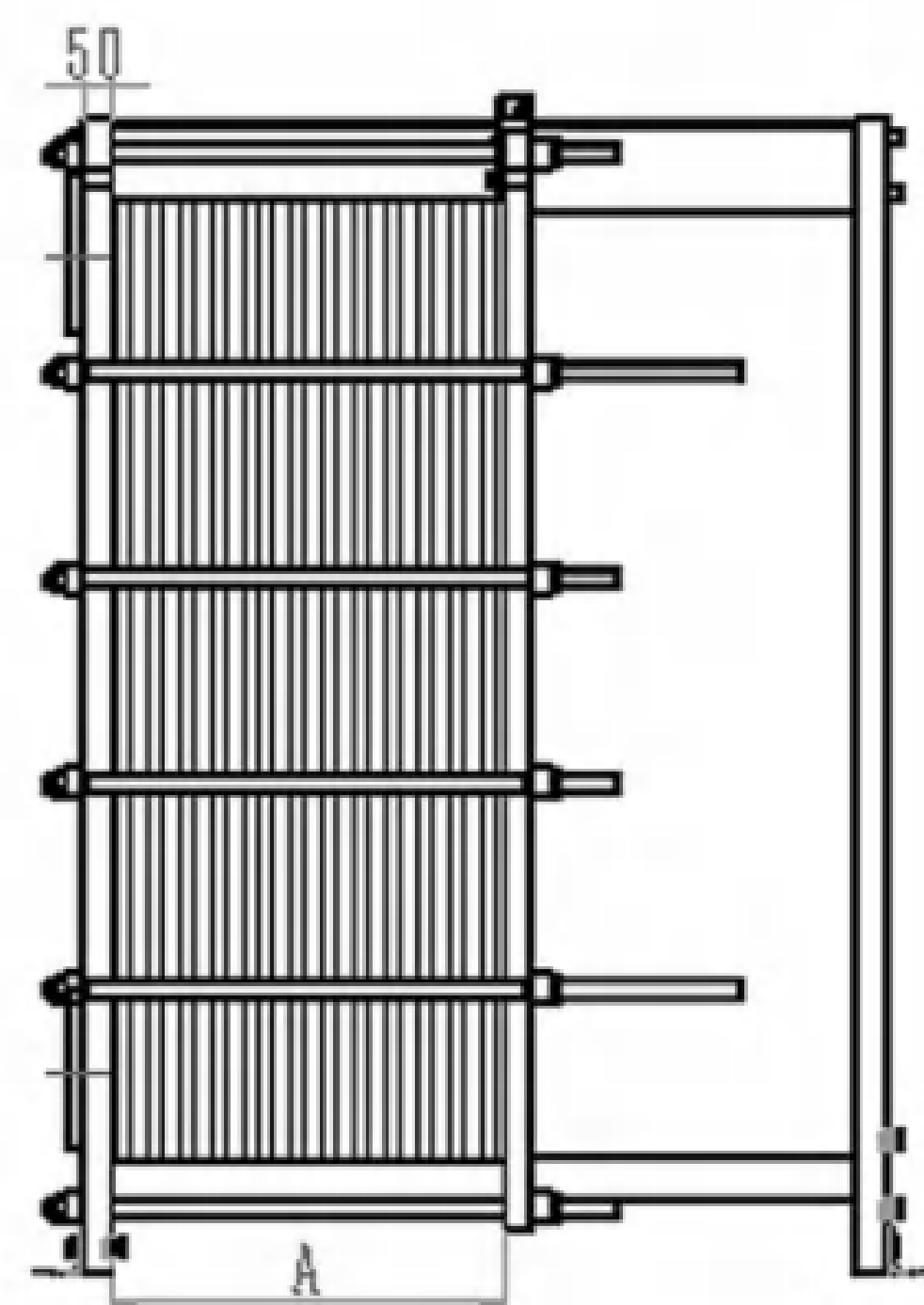
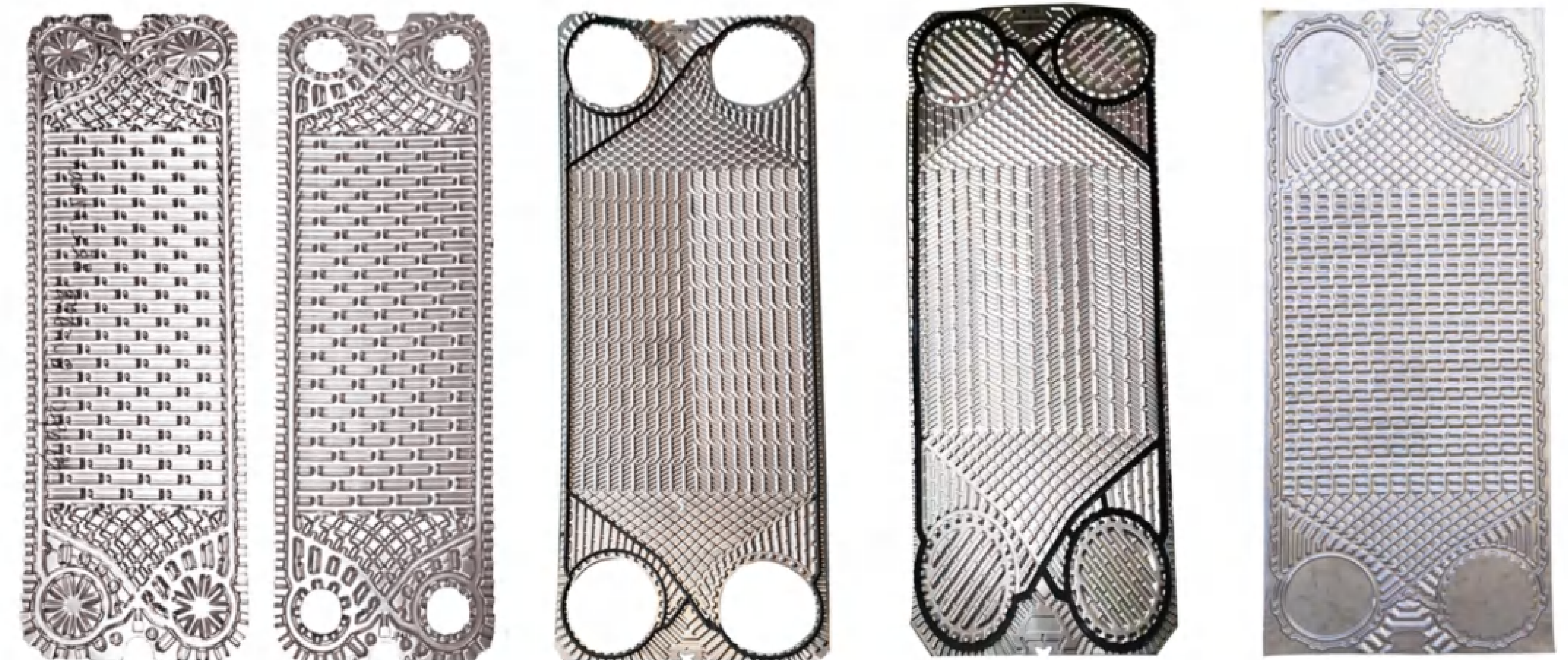
BW wide channel plate heat exchanger



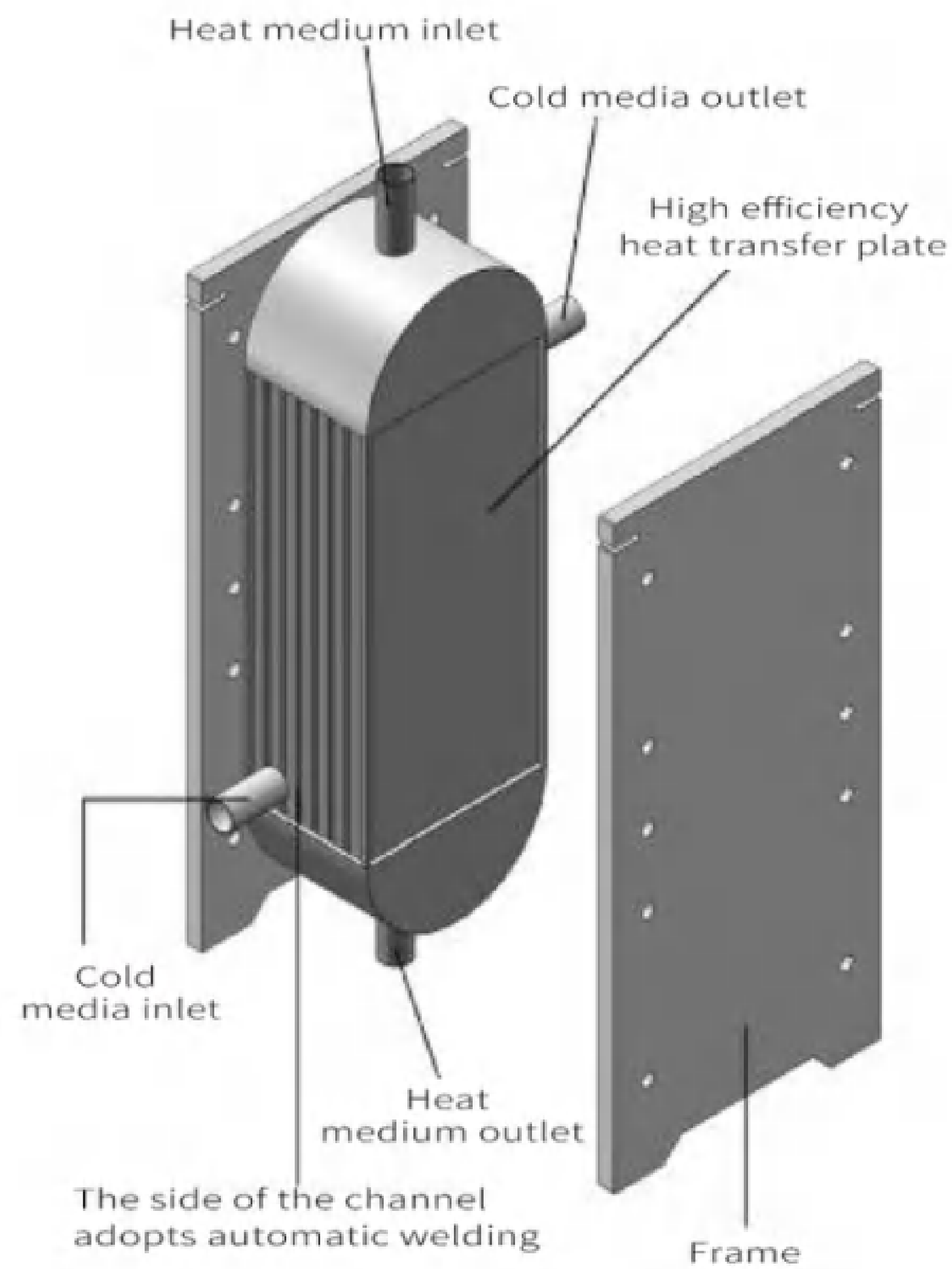
Performance characteristics:
This plate adopts special corrugation, taking into account the characteristics of herringbone tube sheet. The ratio of wide and narrow channel is 2:6, which can flexibly deal with the condition of large flow of cold and hot medium.

Application:
Compared with the general plate heat exchanger, the plate spacing is larger and the cross-sectional area of single channel is larger. Because of the large plate spacing, the cross-sectional area of the single channel of the plate is much larger than that of the general plate heat exchanger, which has obvious advantages for some high viscosity liquid and medium flow conditions. On the cold fluid side, a medium channel with contact is formed between the plates for circulating water, while on the hot fluid side, a medium channel without contact is formed between the plates, Ensure that the liquid containing solid particles can pass through smoothly, so the pressure loss is small and the fluid distribution is uniform.

Suitable for coarse particles, high viscosity and fiber containing liquids and media, such as papermaking, alcohol, sugar, its heat transfer efficiency, long service time.



Full-Welded Plate Heat Exchanger



Square all welded plate heat exchanger structure

Composition: plate pair, clamping plate, header, clamping bolt pair, base and other basic components; Plate pair is the heat conducting element of the heat exchanger;
 Plate bundle - two kinds of fluid channels are formed by welding plate pairs. In each kind of fluid channel, two kinds of channels are formed by setting plug to plug, namely, upper and lower channels and front and rear channels, so as to realize countercurrent heat transfer of two kinds of fluid;
 Goje's square all welded plate heat exchanger combines advanced technology and technology at home and abroad, with international advanced technology and quality.

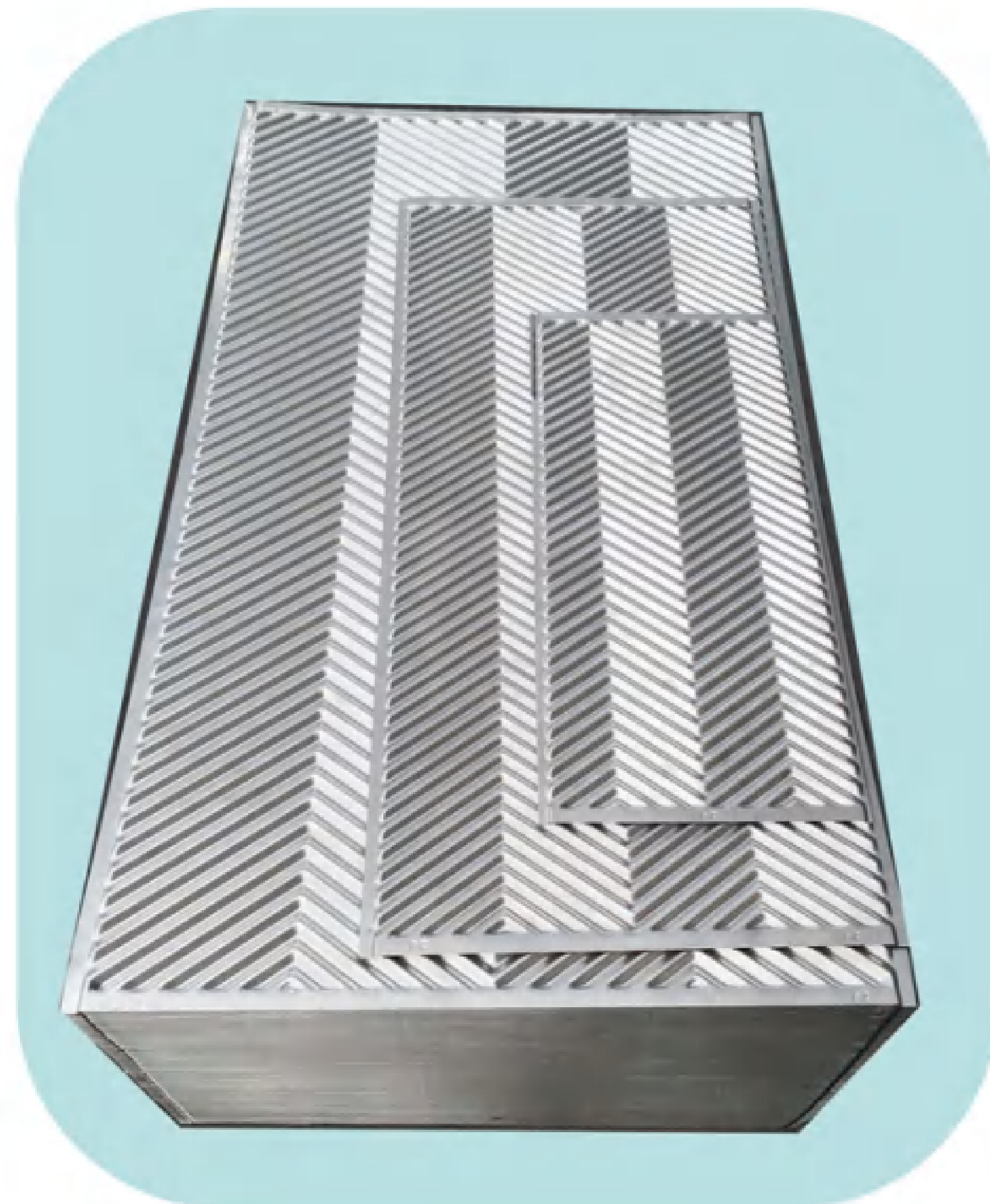
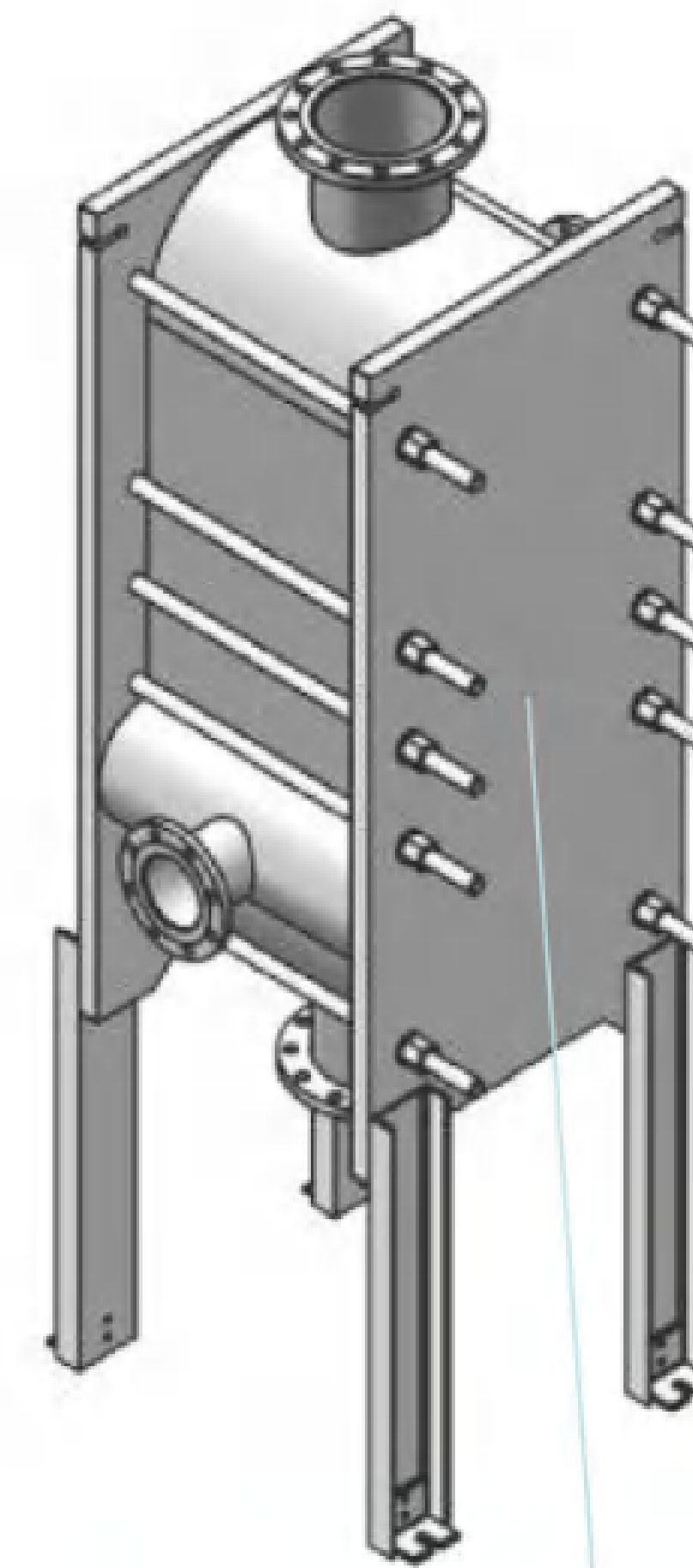


Plate is the core element of square all welded plate heat exchanger. The structure of plate directly affects the use effect of all welded heat exchanger. Our company adopts double corrugated plate, which has high heat transfer efficiency and many cross contact points. It can not only improve the pressure bearing capacity of heat exchanger, but also eliminate the internal leakage caused by fatigue crack caused by vibration.

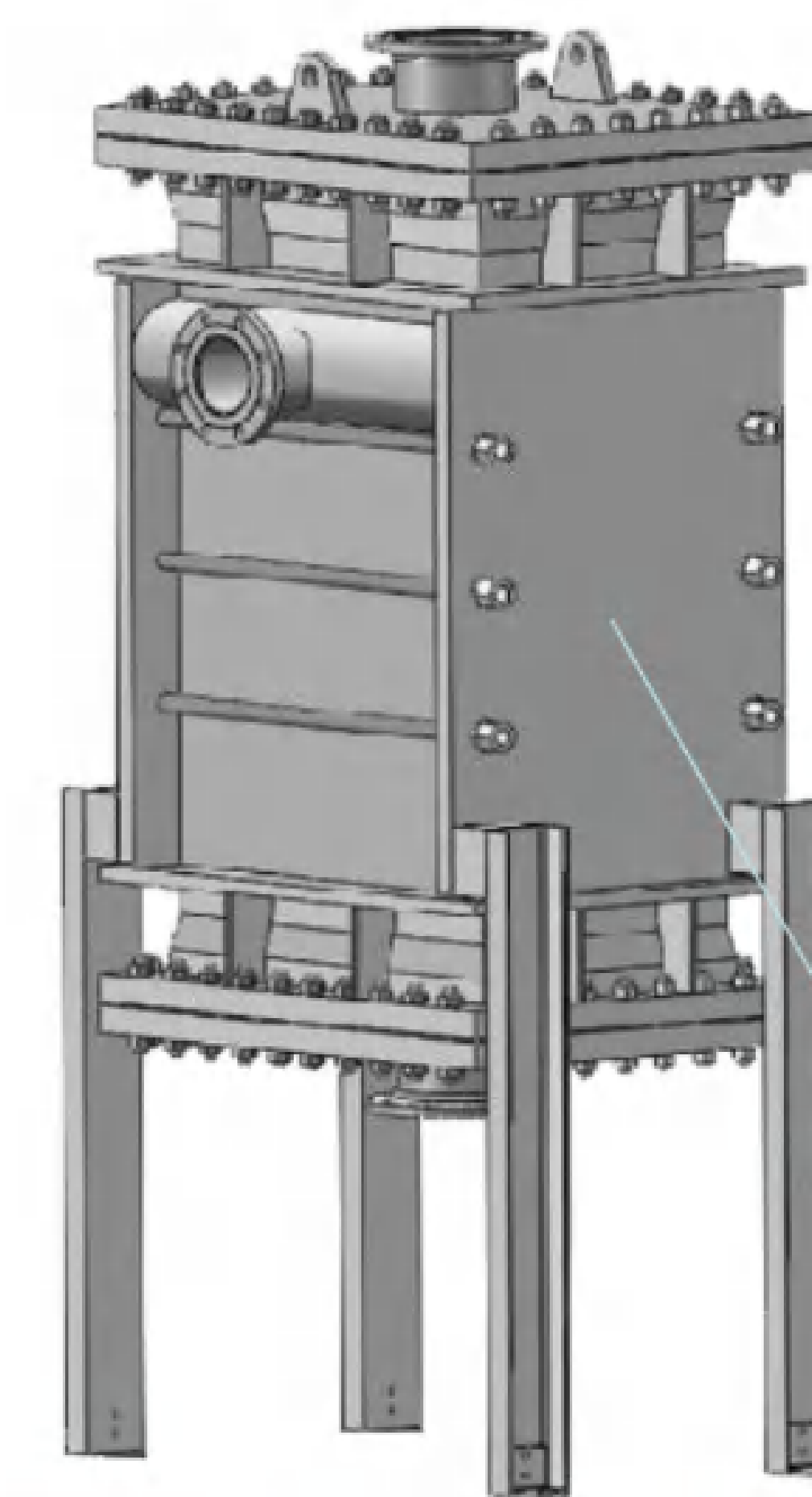
Model	Heat transfer area of the single plate(m ²)
GJWF45	0.20
GJWF45	0.45
GJWF80	0.80
GJWF230	2.30



Due to the factors of welding technology level, employee welding level and welding experience, several domestic enterprises manufacturing all welded plate heat exchanger all have the phenomenon that the leakage of flow channel can not be repaired in the welding process, and some flow channels are blocked, especially for special materials such as titanium or Hastelloy.
 Hazards of blocked flow channel:
 1) After the channel is blocked, the blocked plate does not participate in the heat exchange, which reduces the effective heat exchange area, heat exchange capacity and heat transfer efficiency of the whole machine;
 2) After the channel is blocked, one side of the channel will be heated, which will reduce the service life of the plate and the weld, and increase the risk of short-term leakage;
 3) When the flow channel is blocked, the flow rate of the medium will increase (if it is multi flow, uneven flow distribution will occur), the resistance of the equipment will increase, and the operation cost will increase.



Square non detachable all welded plate heat exchanger
 The maximum design pressure is 40 BarG
 The maximum design temperature is 400 °C



Square detachable all welded plate heat exchanger
 The maximum design pressure is 25 BarG
 The maximum design temperature is 400 °C



Spiral plate heat exchanger



Spiral plate heat exchangers are divided into **detachable spiral plate heat exchangers** and **non-detachable spiral plate heat exchangers**.

The structure of the non-detachable spiral plate heat exchanger is relatively simple, and the two ends of the spiral channel are all welded.

Detachable spiral plate heat exchanger, in order to achieve the purpose of mechanical cleaning, detachable spiral channel, open at one end, sealed with a flat cover and gasket to prevent leakage of fluid to atmosphere or to the same fluid short in channel. In order to improve the bearing capacity of the spiral plate, the distance column is supported between the plates. There are two types of fluid inlet and outlet on the cylinder: normal connection and tangential connection.

China generally uses tangential connection, its fluid resistance is small, and impurities are easily washed out. Use the rotary support is more convenient, and the heat exchanger can be placed vertically or horizontally.

The heat-exchanging fluids A and B respectively flow through both sides of the spiral plate, and one of them flows along the spiral channel flows from the outside to the center, and the other fluid flows out along the spiral channel. Inlet from the center and flow out from the inside out. The two fluids flow in a pure countercurrent fashion. The maximum structural size of spiral plate heat exchanger is: plate width 1800 mm, outer diameter 1700 mm, heat transfer area of 250 square meters, plate to plate distance of 20 mm. The maximum allowable operating pressure can be up to 2.5 MPa. The working temperature depends on the selected materials, most of which are carbon steel, stainless steel, aluminum, copper and titanium.

Brazed plate heat exchanger



It is formed by pressing a stainless steel sheet into a herringbone corrugated shape, placing a piece of pure copper foil (99.9%) between every two sheets, and welding it in a vacuum brazing furnace after assembly. In the application, the medium on the hot side and the cold side alternately enters between the plates, so as to achieve the purpose of heat exchange.

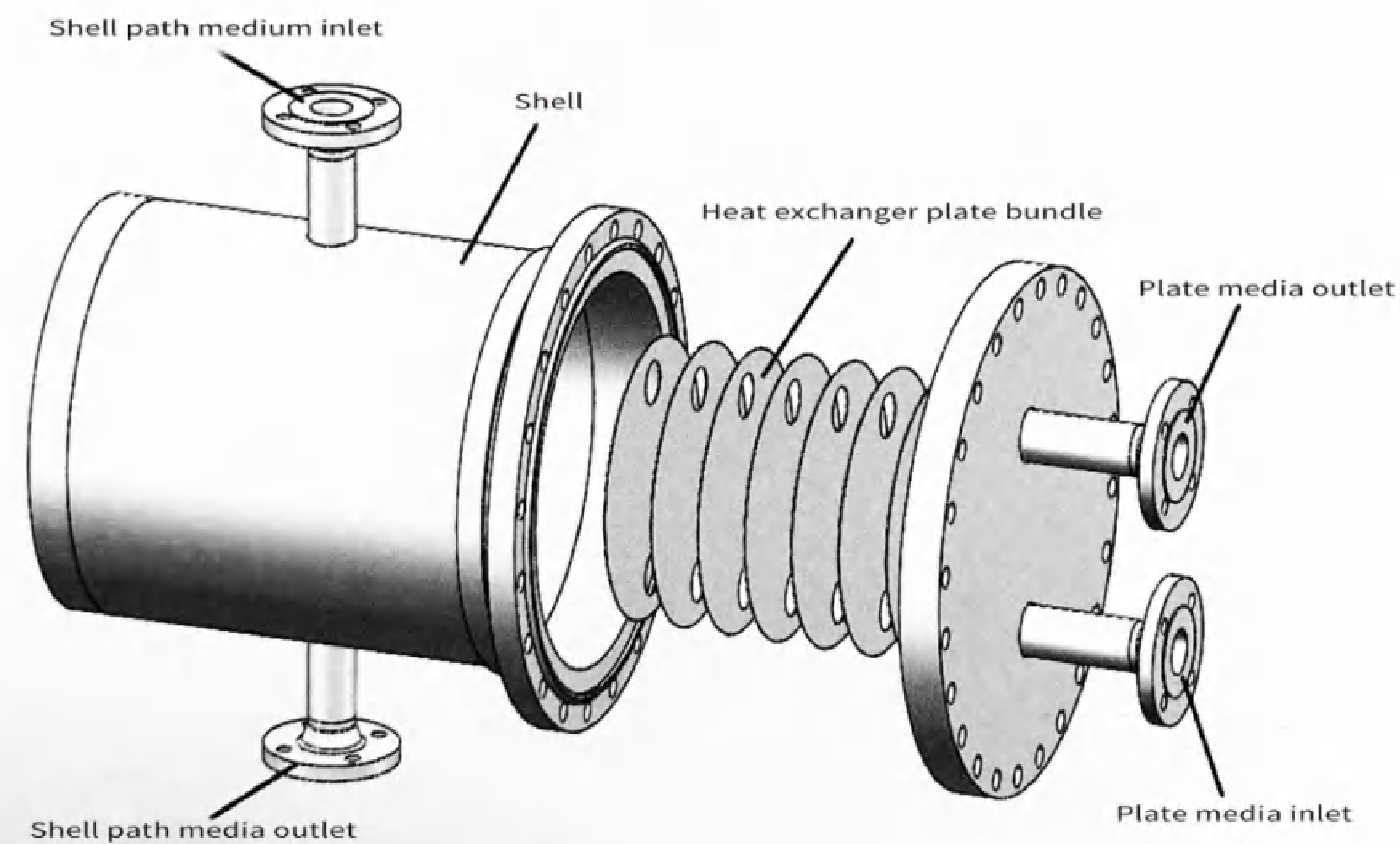
Features of Brazed Plate Heat Exchanger:

1. Compact structure and high heat transfer coefficient using thin plates
2. It is durable and can withstand high temperature (225°C) and high pressure*45 BarG (vacuum brazing is used to eliminate thermal stress)
3. The light weight is only equivalent to 20-30% of the shell and tube heat exchanger
4. Low fouling coefficient High turbulent flow reduces fouling coefficient and thus reduces cleaning times.
5. Less liquid stagnation Brazed plate heat exchanger In the refrigeration system, the fluorine filling amount of the same cooling capacity is much smaller than that of the shell-and-tube heat exchanger, and the amount of water required in the heat recovery industry is also much smaller than that of the shell-and-tube heat exchanger.
6. The structure is flexible and can be used as a double-circuit or multi-flow structure.

Brazing parameter list

Model	width(mm)	Transverse center distance(mm)	Longitudinal center distance(mm)	Length(mm)	Thickness(mm)	Weight(kg)	Design pressure (MPa)	Maximum flow (L)	Design temperature (°C)
GJ14	76	42	172	206	9+2.3N	0.6+0.056N	1/3/4.5	8m ³ /h	-196 ~ 225
GJ20B	78	42	282	318	9+2.3N	0.9+0.088N	3/4.5	8m ³ /h	-196 ~ 225
GJ20A	95	40	269	325	9+1.58N	0.9+0.088N	3/4.5	8m ³ /h	-196 ~ 225
GJ26	111	50	250	310	10+2.36N	1.3+0.12N	3/4.5	18m ³ /h	-196 ~ 225
GJ30	124	70	250	304	13+2.4N	2.2+0.146N	3/4.5	18m ³ /h	-196 ~ 225
GJ52A	111	50	466	525	10+2.35N	1.9+0.215N	3/4.5	18m ³ /h	-196 ~ 225
GJ52B	111	50	466	525	10+2.35N	1.9+0.213N	3/4.5	18m ³ /h	-196 ~ 225
GJ62A	119	63	470	526	10+2.35N	2.4+0.225N	3/4.5	18m ³ /h	-196 ~ 225
GJ62B	119	63	470	526	10+2.35N	2.4+0.223N	3/4.5	18m ³ /h	-196 ~ 225
GJ95A	191	92	519	616	11+2.72N	6+0.415N	3/4.5	42m ³ /h	-196 ~ 225
GJ95B	191	92	519	616	11+2.72N	6+0.413N	3/4.5	42m ³ /h	-196 ~ 225
GJ120A	246	174	456	528	10+2.36N	7+0.472N	3/4.5	42m ³ /h	-196 ~ 225
GJ120B	246	174	456	528	10+2.36N	7+0.472N	3/4.5	42m ³ /h	-196 ~ 225
GJ200A	321	188	603	738	13+2.7N	13+0.74N	1.5/2.1/3	100m ³ /h	-196 ~ 225
GJ200B	321	188	603	738	13+2.7N	13+0.73N	1.5/2.1/3	100m ³ /h	-196 ~ 225
GJ01	390	204	1132	1318	13+2.75N	30+1.8N	1.5/2.1/3	300m ³ /h	-196 ~ 225

Plate & Shell Full-welded Heat Exchanger (Round Plate)

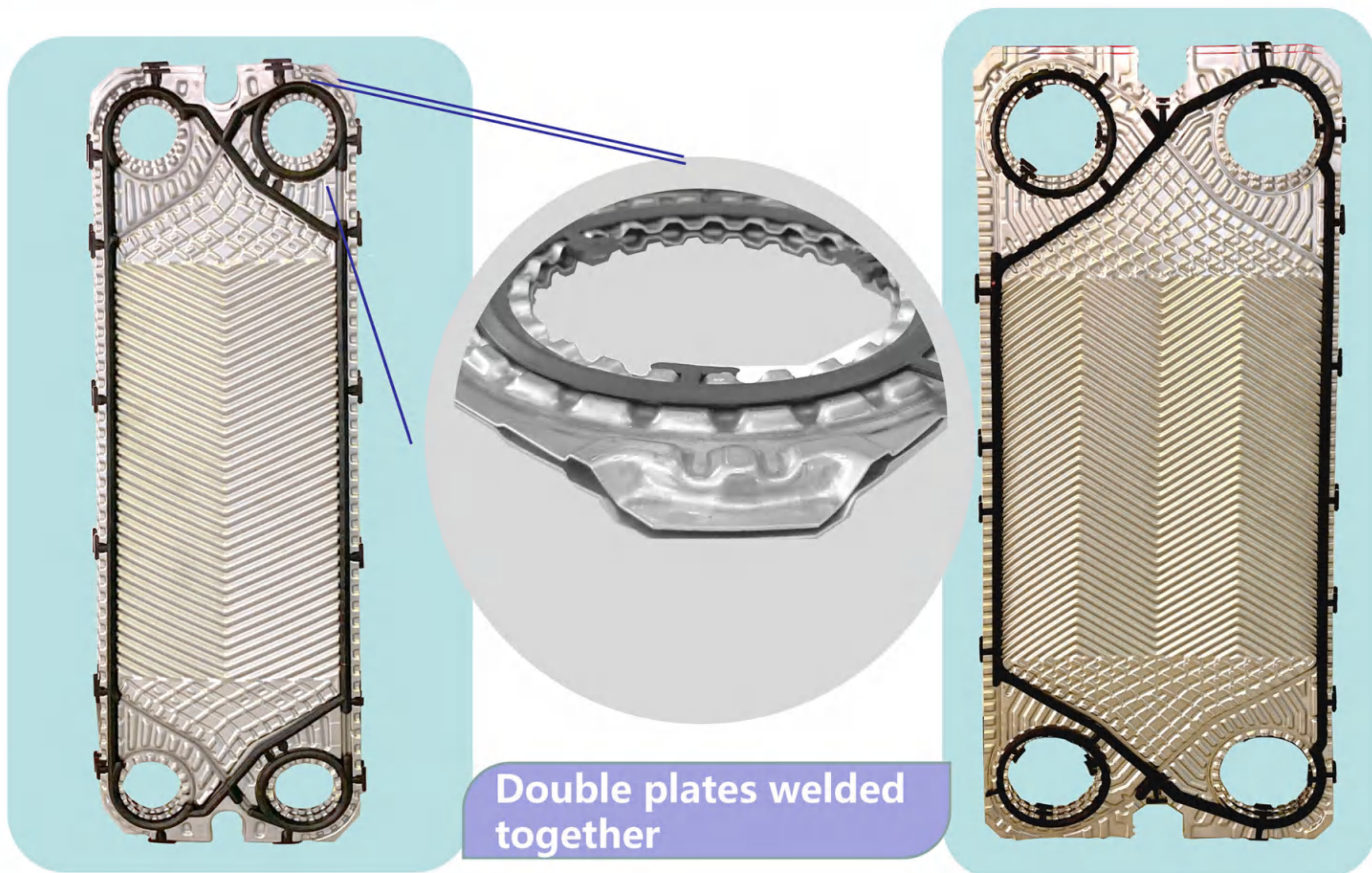


Circular full-welded plate heat exchanger is a new type of heat exchanger with high temperature, high pressure, high efficiency and compactness. In some cases, it can replace the traditional tubular heat exchanger and achieve the application effect of energy saving and production increase, investment saving, simplified device, safe and reliable, and technological progress.

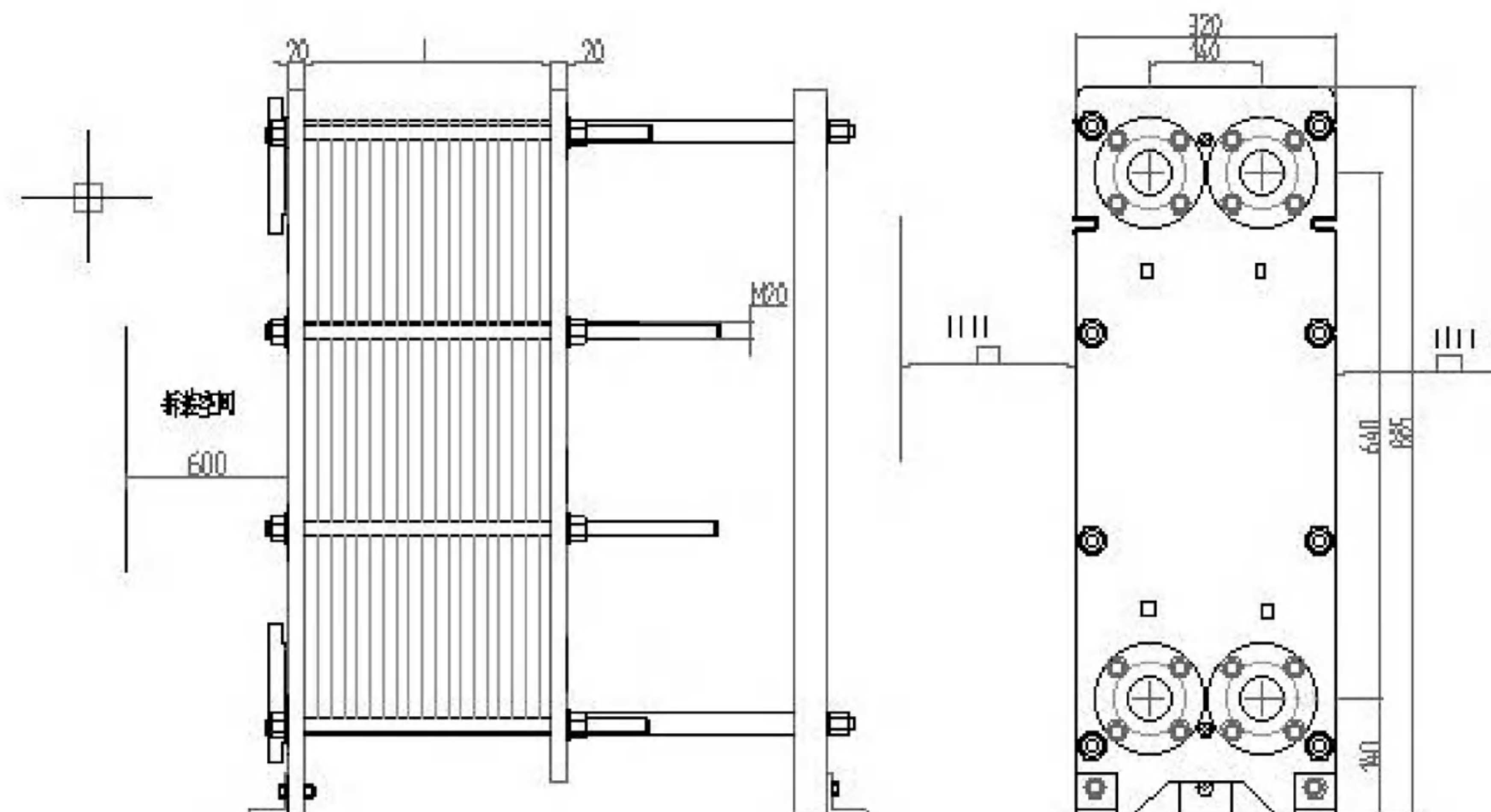
The maximum operating temperature is 600°C and the maximum design pressure is 10MPa.

The circular all welded plate heat exchanger is simple in structure and consists of shell, heat exchange plate bundle, inlet and outlet connecting pipes, flange and support.

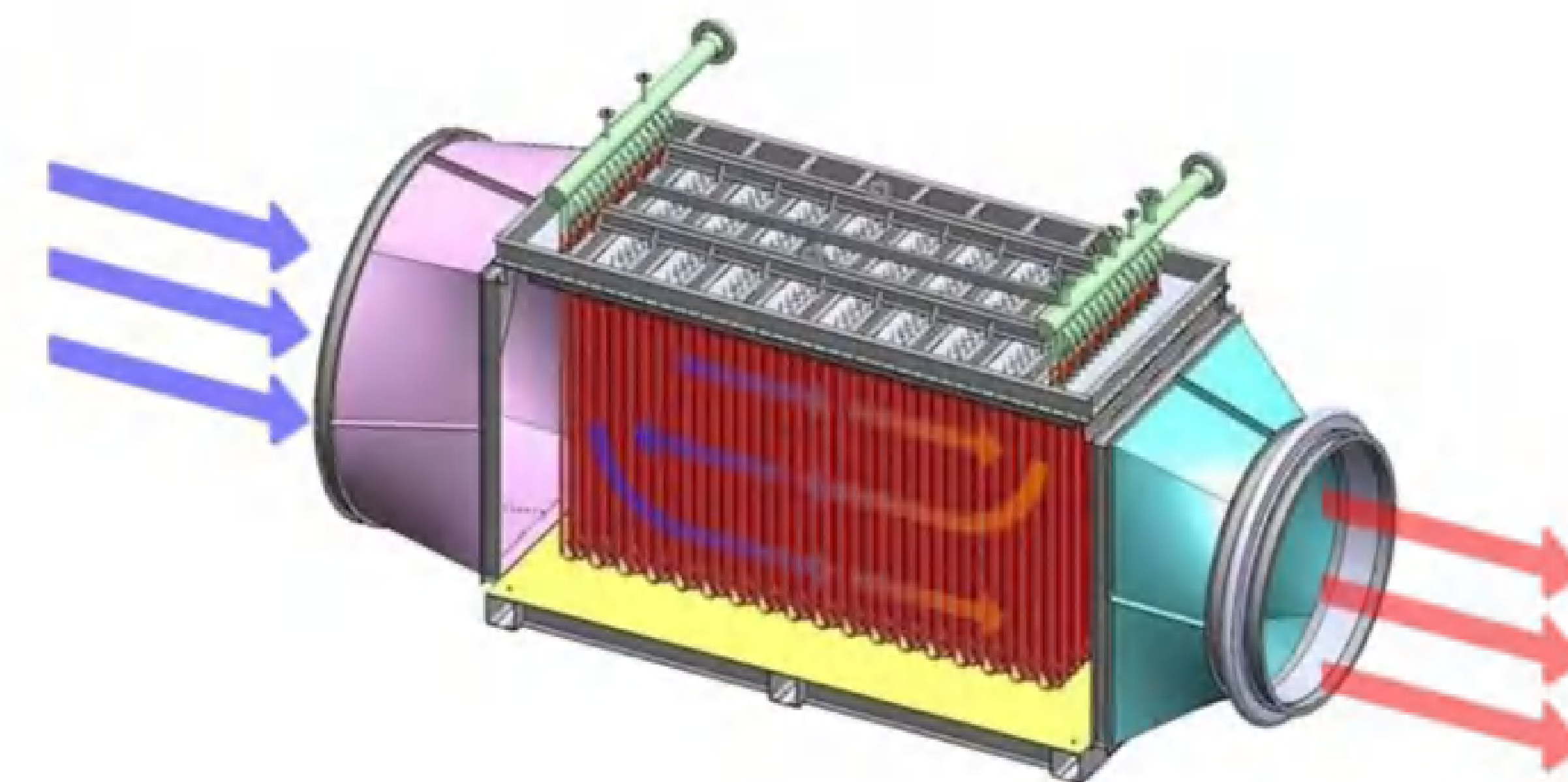
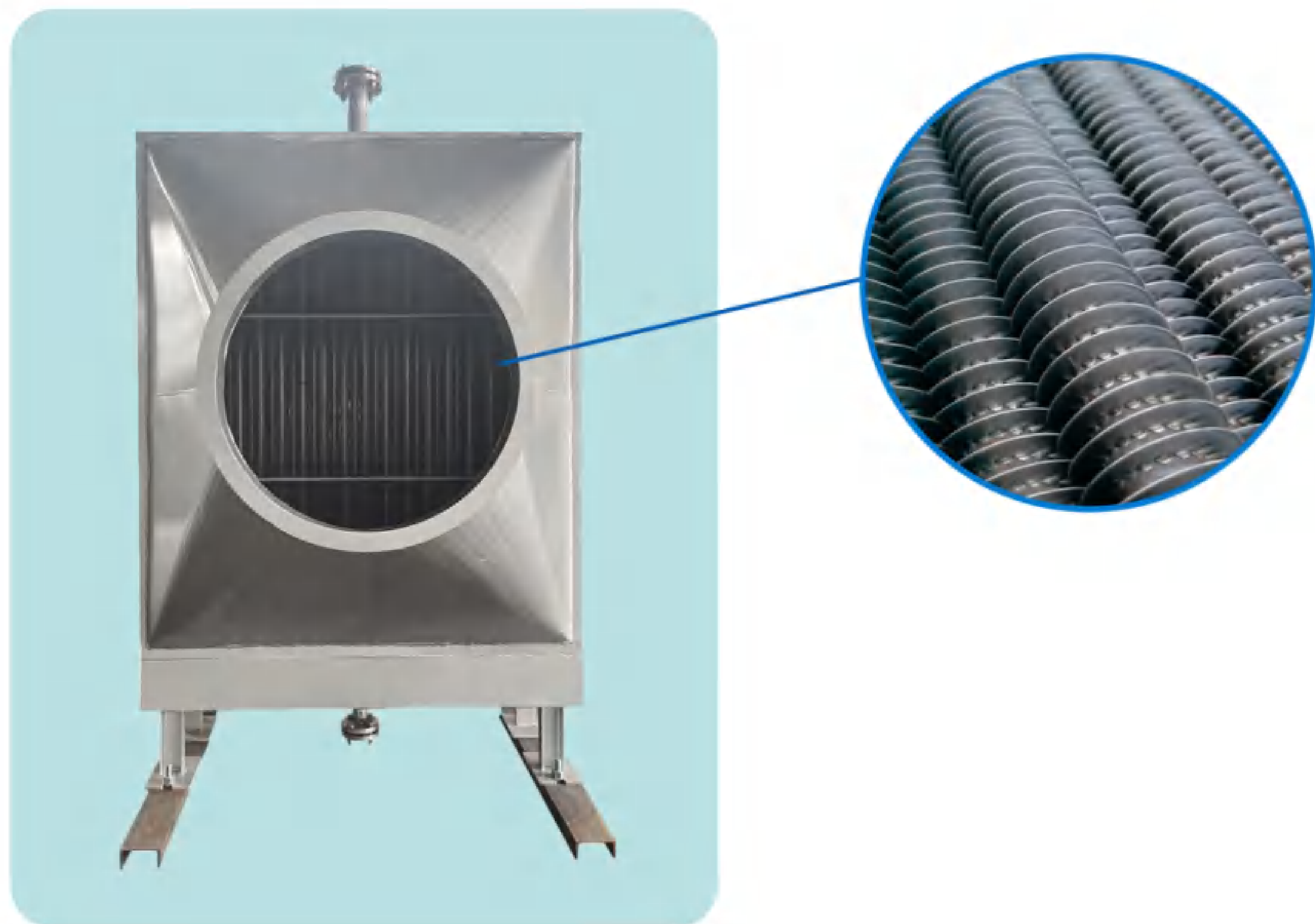
Semi-Welded Plate Heat Exchanger



Model	M6MW	M10BW	MK15BW	T20MW	MA30W
Wave angle	55°130°	60°112°	69°128°	49°126°	58°
Normal intercept of ripple (mm)	10.92/10.1	9.26	9.00	14.4/14.25	13.85
Ripple depth(mm)	3.00	2.55	2.50	4.10	4.10
Corner hole diameter(mm)	φ58	φ100	φ140	φ240	φ330
Center distance of corner hole(mm)	640*140	719*223	1044*298	1478*353	1811*561
Overall dimension(mm)	748*247	874*374	1248*498	1745*620	2244*995
Cross sectional area of flow channel(m ²)	0.00063	0.00086	0.00113	0.00234	0.00368
Area of veneer (m ²)	0.14	0.22	0.47	0.83	1.55



Finned Tube Heat Exchanger



Finned heat exchanger is a kind of equipment commonly used for heating, cooling or heat exchange, especially suitable for dealing with high temperature, high pressure, high speed fluid.



Working principle: Finned heat exchangers consist of many metal fins and pipes. They are usually arranged in parallel and joined together to form finned bundles. The tubes inside the finned bundles provide a channel for the working fluid to transfer heat from one medium to another. Among them, the fin is a wing plate like metal products, through the contact between each other or welding and bonding on the surface of the pipe, so that the heat conduction area of the pipe increases, thereby increasing the heat transfer rate; Tubes are conduits through which the medium flows, thereby transferring heat or cold to the medium that flows through them. When two media of different temperatures flow through the finned tube bundle, heat will be transferred through the fin to the pipe, and further transferred to another medium. The effect of heat exchange depends on factors such as the number and structure of fins, fluid velocity, and heat conductivity of the medium. In short, finned heat exchangers use finned tube bundles to increase the surface area of heat transfer between the medium, to achieve rapid and efficient heat transfer and heat transfer.

Plate Condenser

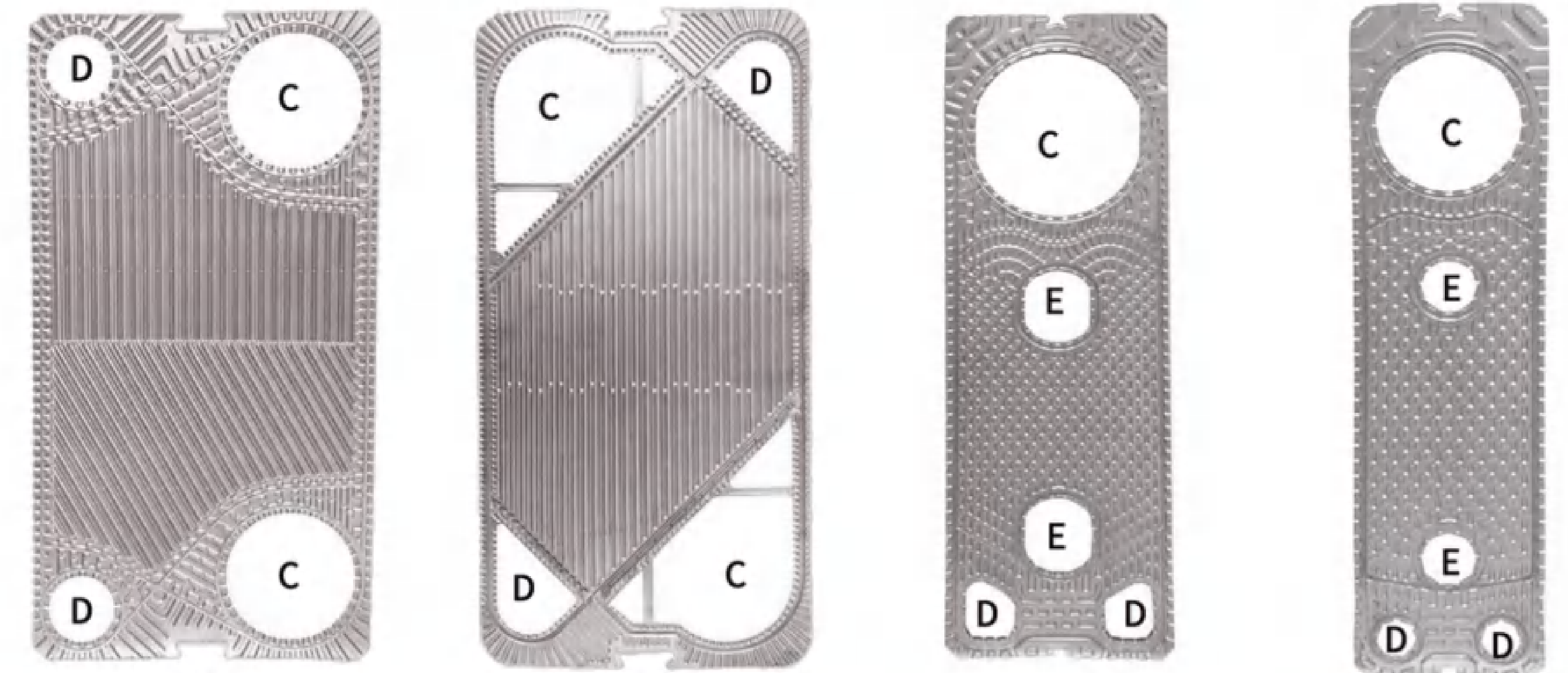
Plate condenser: it is composed of two plates a and B, which can be divided into two types: semi-welding and detachable.

A plate is straight corrugated and B plate is transverse herringbone corrugated.

B plate is arranged in the same arrangement, and the asymmetric channel is formed, and the ratio of wide and narrow channel is 1.88. The condensed medium flows in a wide channel, and the cooling medium flows in a narrow channel, with small resistance drop. It can form a large plate condenser with high heat transfer efficiency, wide application range, compact structure, simple operation, convenient cleaning, disassembly and maintenance, and can meet the heating, cooling, condensation and waste heat recovery of the process.

It is mainly used in chemical industry, petroleum, light industry food, pharmaceutical industry, machinery, heating and heating industry, ship, metallurgy, mine, power industry, etc.

Model	Single plate area(m ²)	Dimension A*B(mm)	Corner hole diameter C(mm)	Corner hole diameter D(mm)
BL0.6	0.6	1487*786	φ100	φ150
BL1.0	1.0	1980*995	φ400	φ200



BL0.6

BL1.0

Model	Single plate area (m ²)	Dimension A*B(mm)	Corner hole diameter C(mm)	Corner hole diameter D(mm)	Corner hole diameter E(mm)	Corner hole diameter F(mm)
L400	0.45	1835*489	φ372	φ150	φ150	φ100
L600	0.70	2236*738	φ585	φ250	φ250	φ150
L800	1.10	2446*838	φ784	φ300	φ200	φ200

