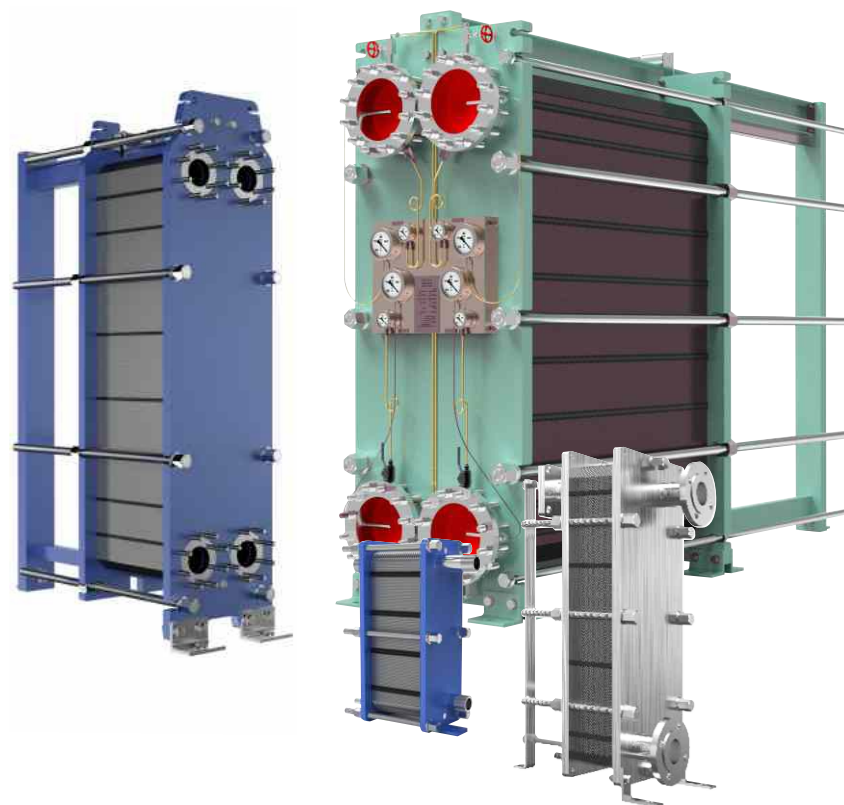


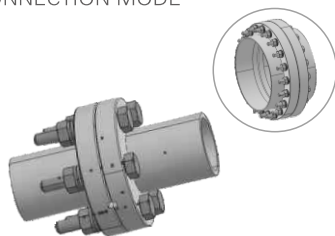


# GASKETED PLATE HEAT EXCHANGER

- Stainless Steel (SUS304,316L, etc.)
- Titanium ( Ti,tι-pd )
- SMO254
- Nickel(Ni)
- HASTELLOY alloy(C276,C22)
- NBR、HNBR
- EPDM、HEPDM
- FPMO 、Viton
- FPMS
- CR



## ● CONNECTION MODE



Flange connection



Clamp connection



External thread connection

Model	B30B	B60B/B60H	B100B/B100H	B150B/B150H	B200H	B250B	B350B			
A(mm)	N(2.5+X)	N(2.0+X)/ N(3.0+X)	N(2.55+X)/ N(3.95+X)	N(2.5+X)/ N(3.95+X)	N(4+X)	N(2.5+X)	N(3.3+X)			
B(mm)	180	320	470	610	780	920	1150			
C(mm)	60	140	225	298	353	439	596			
D(mm)	480	920	1069	1815	2260	2895	2882			
E(mm)	357	640	719	1294	1478	1939	1842			
Height from the bottom center to the ground ( mm )	62	140	183/200	275	380	435	470			
MAX.LC ( mm )	500	1200	1600	3000	3000	3000	4800			
Connection ( mm )	32	50	100	150	200	250	350			
Max flow rate ( m3/h )	18	36	140	360	600	750	997			
Design pressure ( Mpa )	1.0	1.6	1.0/1.6/2.5	1.0/1.6/2.5	1.0/1.6	1.0/1.6/2.5	1.0/1.6			
Max. number of plates	95	250/203	278/180	600	480	500	700			
Model	i60B/i60H	i100B/i100H	i150B/i150H	K60B/K60H	K100B/K100H	K130H	K150B/K150H			
A(mm)	N(1.95+X)/ N(3.0+X)	N(2.5+X)/ N(3.95+X)	N(2.5+X)/ N(3.95+X)	N(2.0+X) / N(3.0+X)	N(2.55+X)/ N(3.95+X)	N(3.95+X)	N(2.5+X) / N(3.95+X)			
B(mm)	296	420	575	320	470	610	610			
C(mm)	140	223	298	140	225	298	298			
D(mm)	827.5	957	1640	920	1051	1591.4	1790			
E(mm)	640	719	1294	689	763	1095.4	1294			
Height from the bottom center to the ground ( mm )	102.5	128	163.3	115	160	241	250			
MAX.LC ( mm )	1200	1600	1500	1200	1600	3000	3000			
Connection ( mm )	50	100	150	50	100	150	150			
Max flow rate ( m3/h )	36	140	360	36	140	360	360			
Design pressure ( Mpa )	1.0	1.0	1.0	1.6	1.0/1.6/2.5	1.0/1.6	1.0/1.6/2.5			
Max. number of plates	250/210	280/200	260/180	250/203	278/180	600	600			
BS SERIES		Model	YS8	YS7	YS14	YS19	S60H	S200H	L100B	YP26
		A(mm)	N(2.3+X)	N(2.3+X)	N(2.3+X)	N(2.3+X)	N(4+X)	N(4+X)	N(2+X)	N(3+X)
		B(mm)	200	300	300	382	400	800	480	312
		C(mm)	70	126	126	192	203	363	225	135
		D(mm)	750	660	960	995	704	1405	1888	815
		E(mm)	656	394	694	701	380	698	1338	592
		Height from the bottom center to the ground ( mm )	51.5	160	160	165	188	360	262	138
		MAX.LC ( mm )	500	500	1200	1200	1200	3000	3000	1200
		Connection ( mm )	28	60	60	66	65	200	100	70
		Max flow rate ( m3/h )	18	36	36	36	50	600	140	36
Design pressure ( Mpa )	1.0/1.6	1.0/1.6	1.0/1.6	1.0/1.6	1.6	1.6	1.0	1.0/1.6		
Max. number of plates	95	200	200	250	147	400	400	200		
Model	BS30B	BS60B/BS60H	BS100B/BS100H	BS150B/BS150H	BS200H	BS250B	BS350B			
A(mm)	N(2.5+X)	N(2.0+X) / N(3.0+X)	N(2.55+X)/N(3.95+X)	N(2.5+X)/N(3.95+X)	N(4+X)	N(2.5+X)	N(3.3+X)			
B(mm)	180	310	446	612	783	920	1154			
C(mm)	60	140	225	298	353	439	596			
D(mm)	480	850	990	1815	2150	2895	2882			
E(mm)	357	640	719	1294	1478	1939	1842			
Height from the bottom center to the ground ( mm )	62	120	150	275	280	435	470			
MAX.LC ( mm )	500	1200	1600	3000	3000	3000	4800			
Connection ( mm )	32	50	100	150	200	250	350			
Max flow rate ( m3/h )	18	36	140	360	600	750	997			
Design pressure ( Mpa )	1.0	1.0	1.0	1.0	1.0	1.0	1.0			
Max. number of plates	95	250/ 203	278/ 180	600	480	500	700			
Model		FB60	FB100	FB SERIES						
A(mm)		N(3.0+X)	N(3.95+X)							
B(mm)		310	446							
C(mm)		140	225							
D(mm)		910	1053							
E(mm)		640	719							
Height from the bottom center to the ground ( mm )		180	214							
MAX.LC ( mm )		800	1600							
Connection ( mm )		50	100							
Max flow rate ( m3/h )		36	140							
Design pressure ( Mpa )		1.0	1.0							
Max number of plates		203	180							

1. Plate Material & Scope of Application

SS304\SS316L	Purified water, river water, edible oil, mineral oil
Titanium and titanium palladium	Seawater, 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

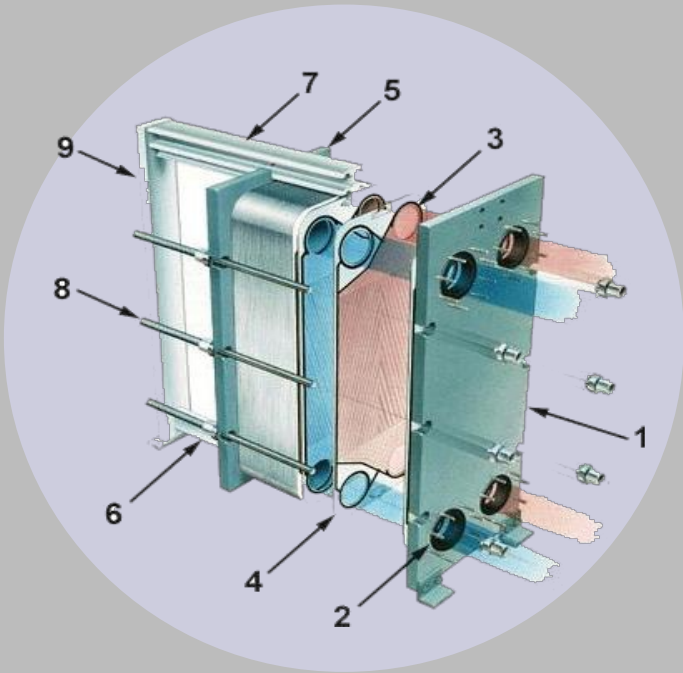
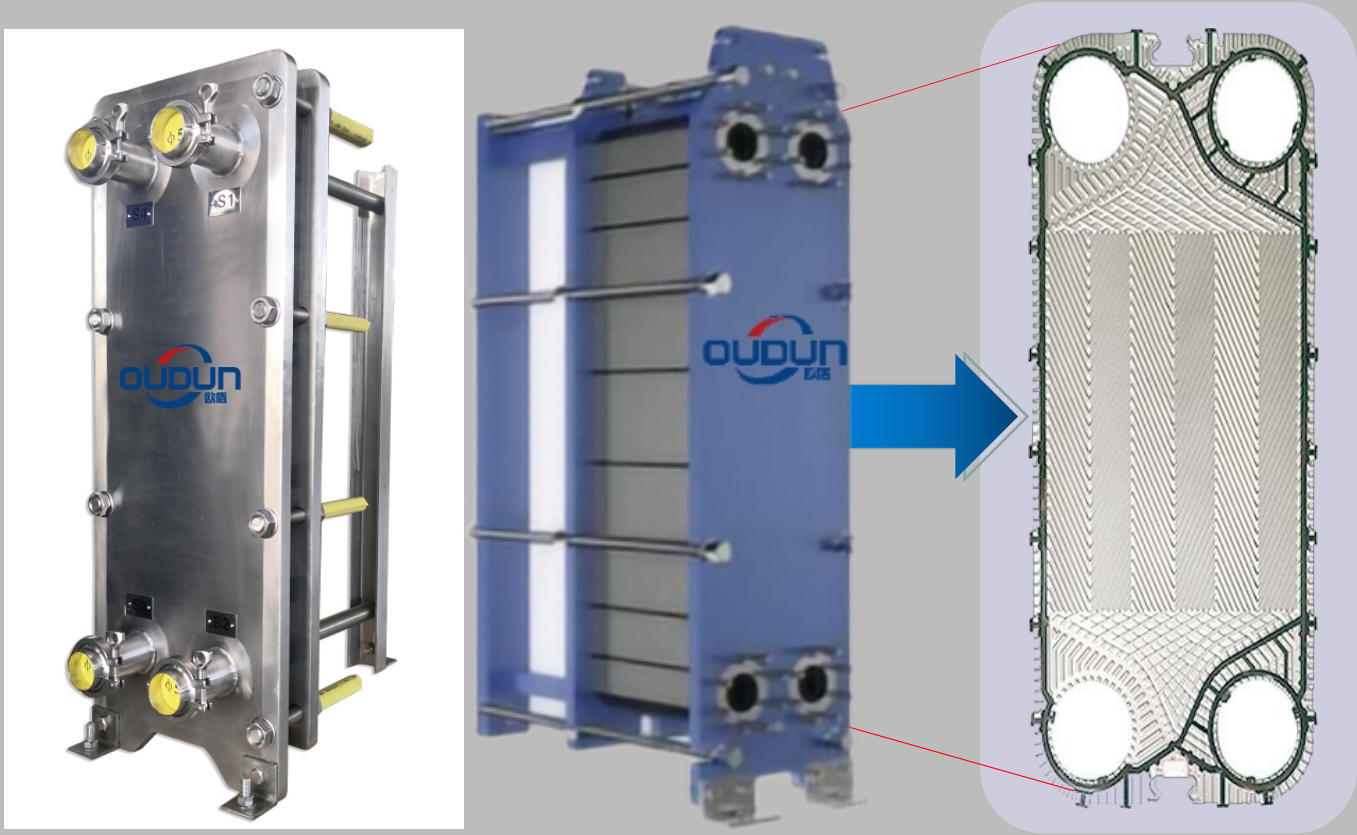
NBR	Water, sea water, mineral oil, salt water	-15~120℃
EPDM	Hot water, steam, acid, alkali	-25~140℃
Fluororubber	Acid and alkali fluid	-5~200℃
Silicon rubber	Food, oil, fat, alcohol	-65~180℃

3. Frame Material

General	Carbon steel
Special	All stainless steel

4. Interface Material

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

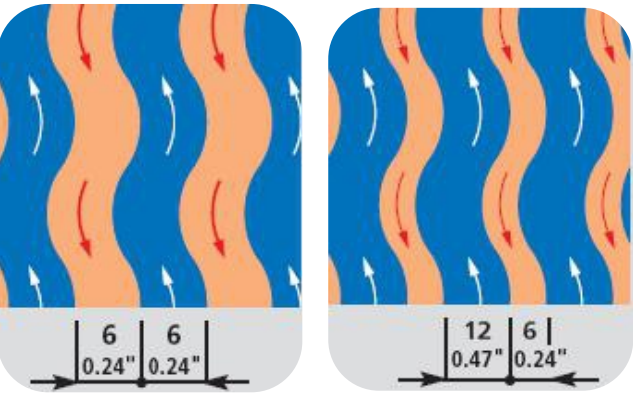


1	Fixed hold down plate
2	Interface
3	Gasket
4	Plate
5	Movable pressing plate
6	Lower guide rod
7	Upper guide rod
8	Compression screw
9	Front strut

# 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.  
More than 16 mm plate spacing.  
Capable of containing a variety of products:  
Solid / particle  
Pulp / fiber  
Viscous products

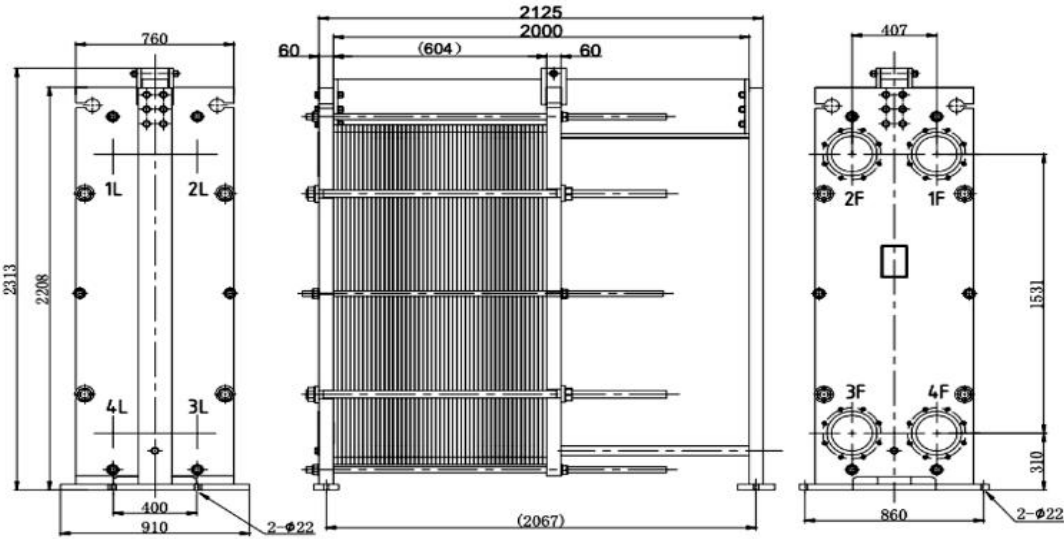
Wide channel plate heat exchanger



## Advantages

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

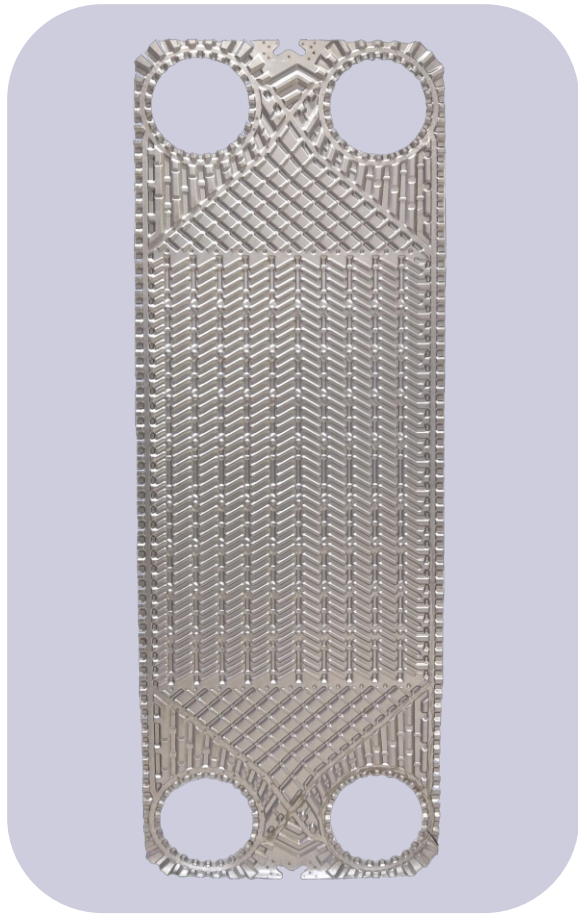
Model	Ripple depth (mm)	Equivalent diameter (mm)	Corner hole diameter (mm)	Single plate area (m2)	Press plate thickness (mm)
BW0.8	0.8/2.26	0.8/2.26	200	1.0	0.7-0.8
BW100	5.5	11	125	0.52	0.7-0.8
BW200	6/12	6/12	200	1.0	0.8-1.0
BW250	16	32	250	1.1	0.8-1.0
BW20S	7.5	15	168	0.8	0.6-0.8
BW30M	5.1	10.2	328	1.45	0.9-1.2
BW30S	11	22	328	1.45	1.0-1.2
BW35S	7.5	15	348	1.87	0.8-0.9
BW40	5	10	120	0.45	0.8-0.9
BW021	6	12	65	0.21	0.7-0.9
BW160	10	20	292	1.6	0.9-1.0
BW123D	11.2	22.4	200	1.04	0.8-0.9
BW123	11.2	22.4	196	1.23	0.8-0.9
BW184	12	24	194	0.88	1.0-1.2



Drawing of BW 200 wide channel plate heat exchanger

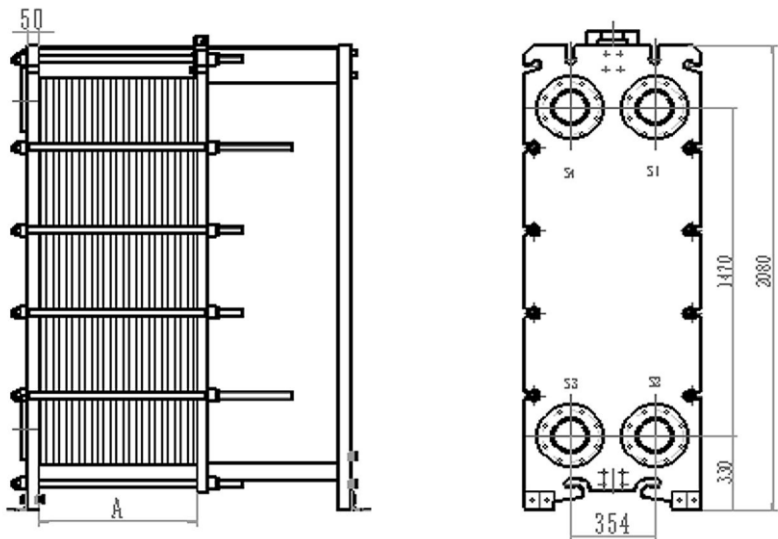
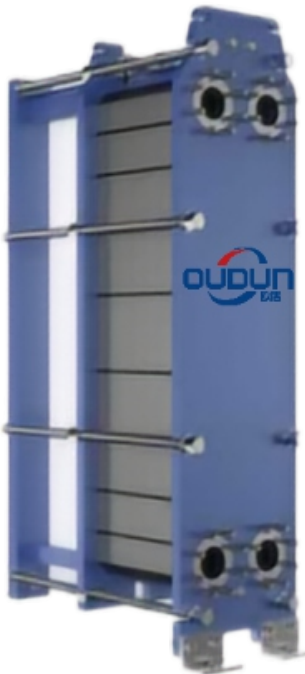
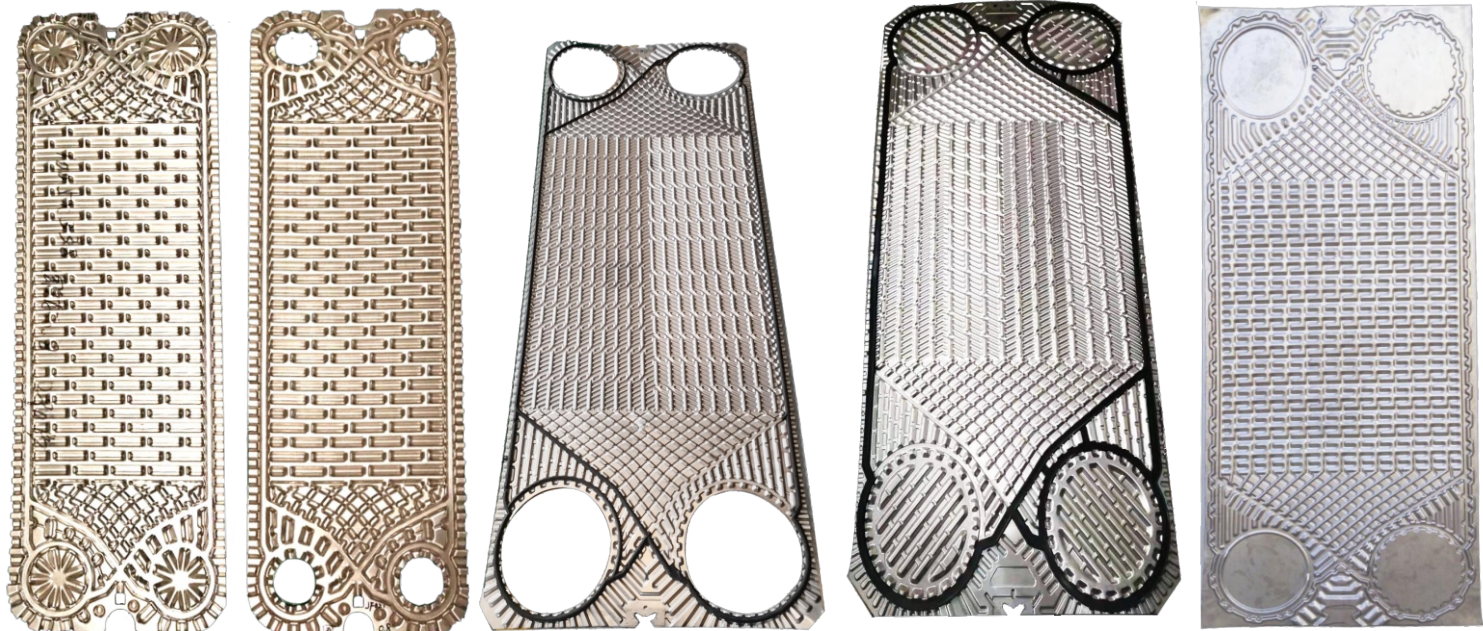
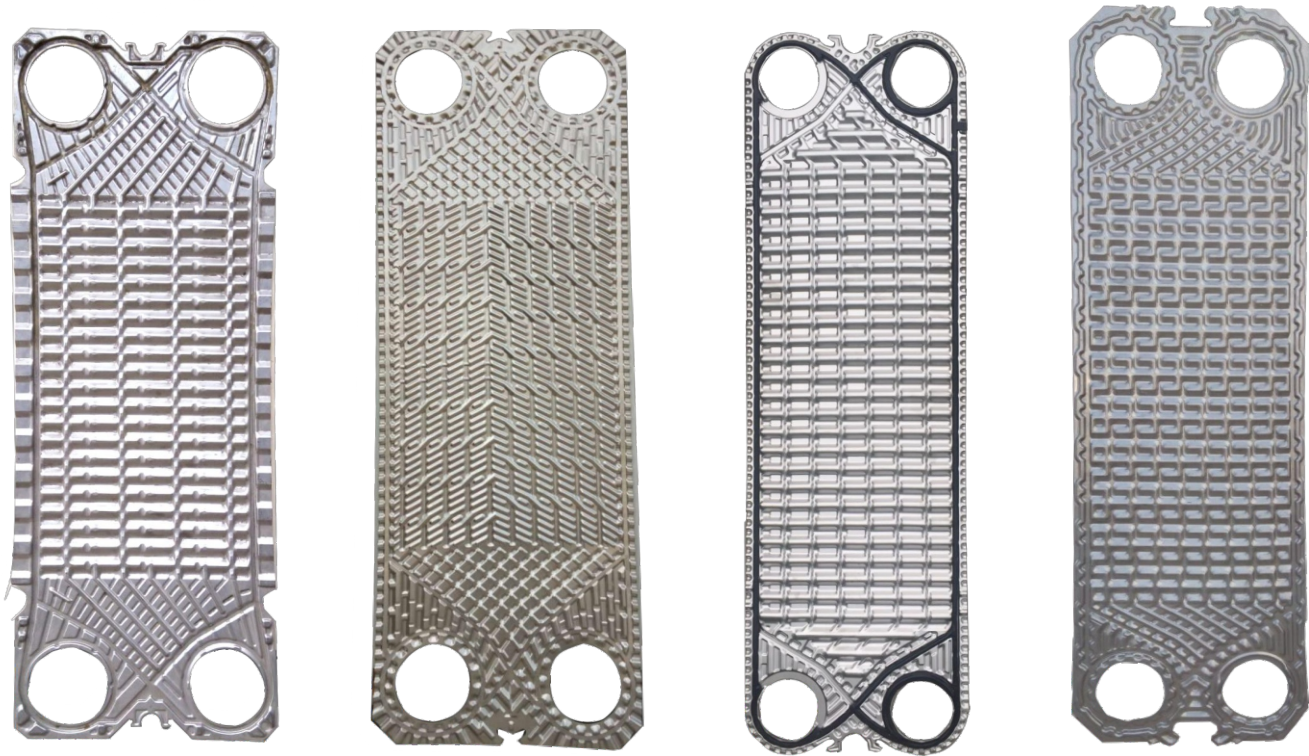


# Wide Channel Plate Heat Exchanger



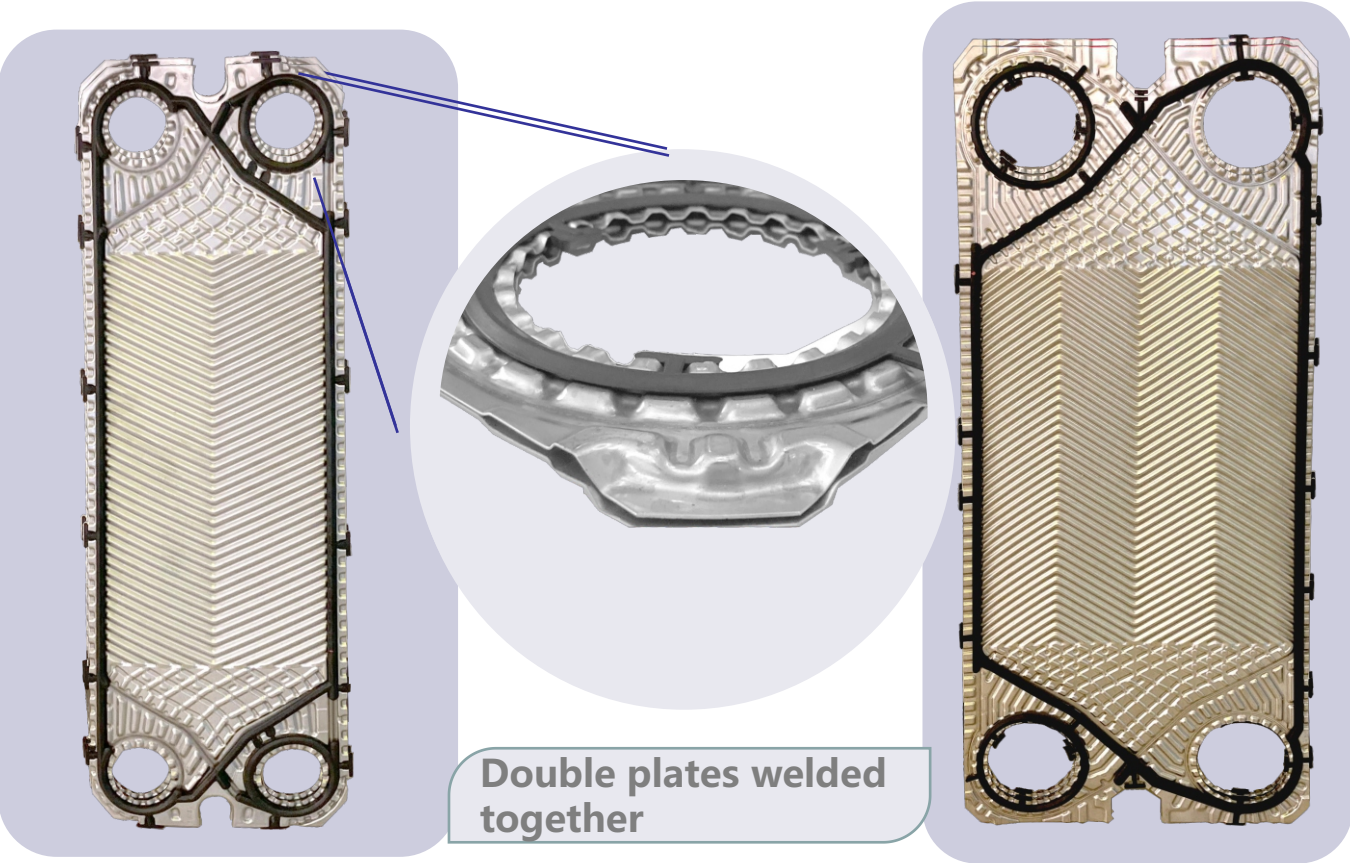
Performance characteristics:  
This plate adopts special corrugation, taking into account the characteristics of herringbone tube sheet. The ratio of wide and narrow channel is 2:6, which can flexibly deal with the condition of large flow of cold and hot medium.

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



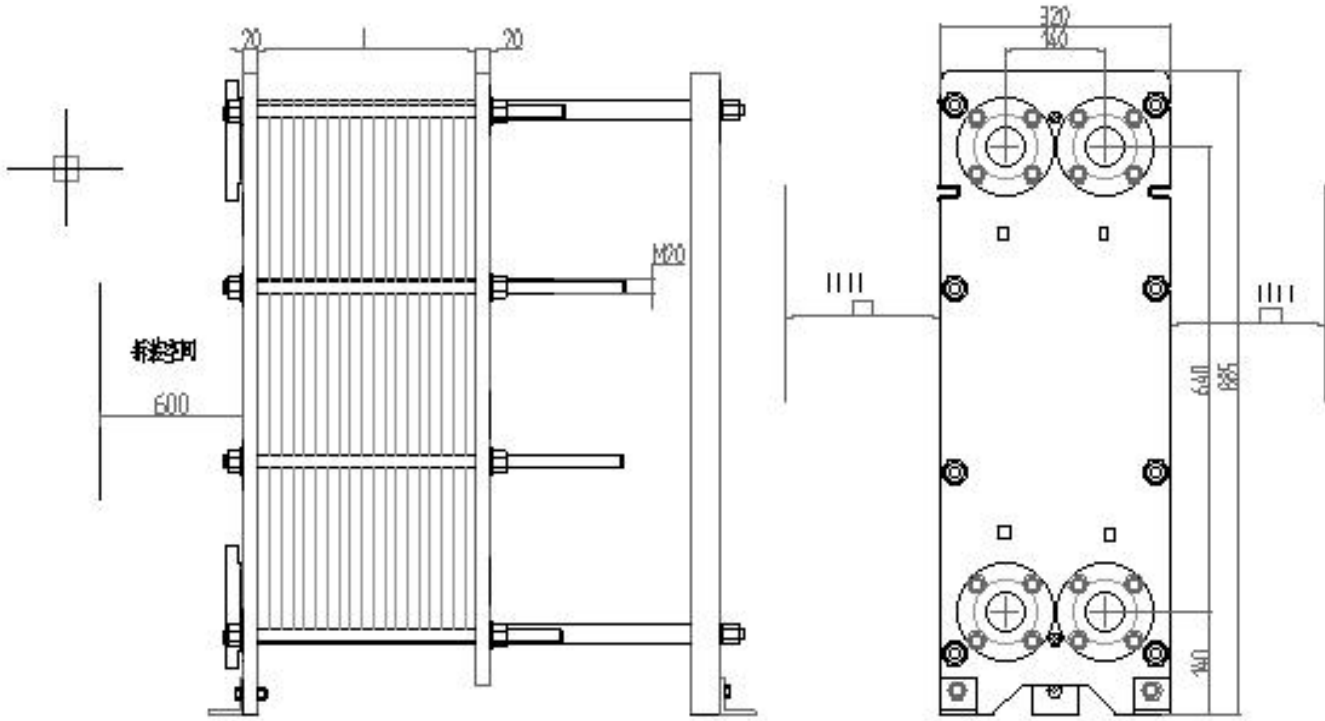


# Semi-Welded Plate Heat Exchanger



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	14.4/14.25	13.85
Ripple depth(mm)	3	2.55	2.5	4.1	4.1
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(m²)	0.00063	0.00086	0.00113	0.00234	0.00368
Area of veneer (m²)	0.14	0.22	0.47	0.83	1.55



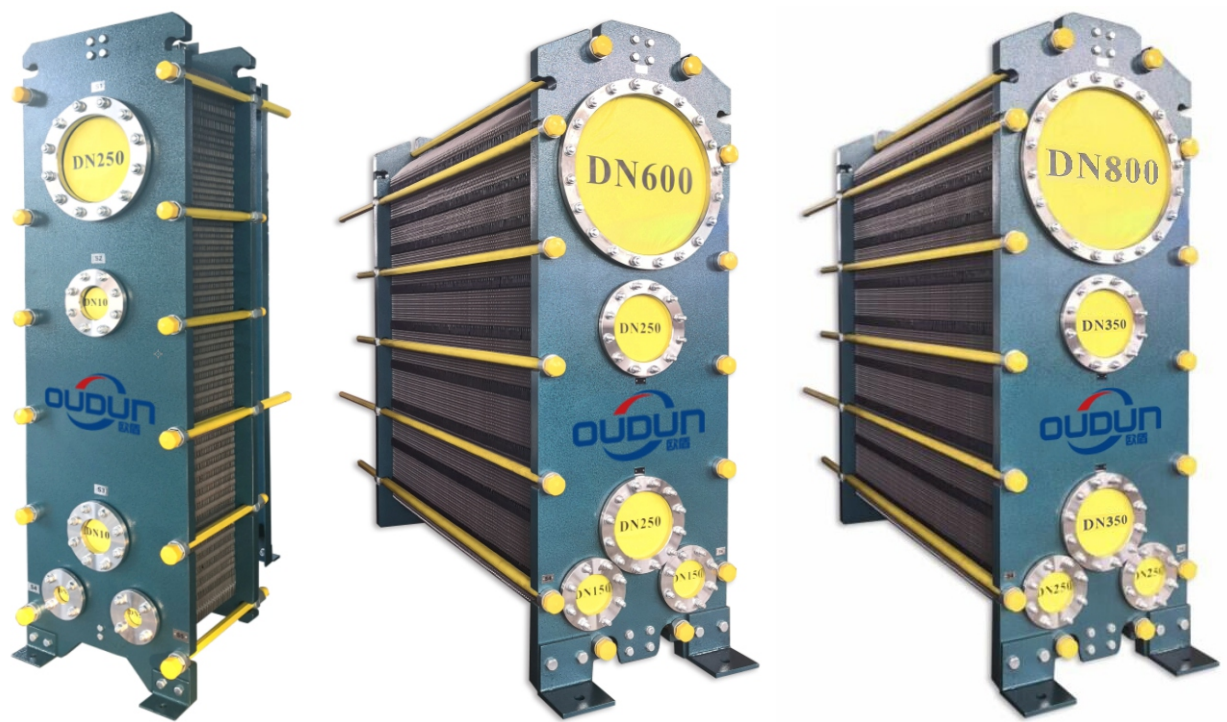


# Plate Condenser

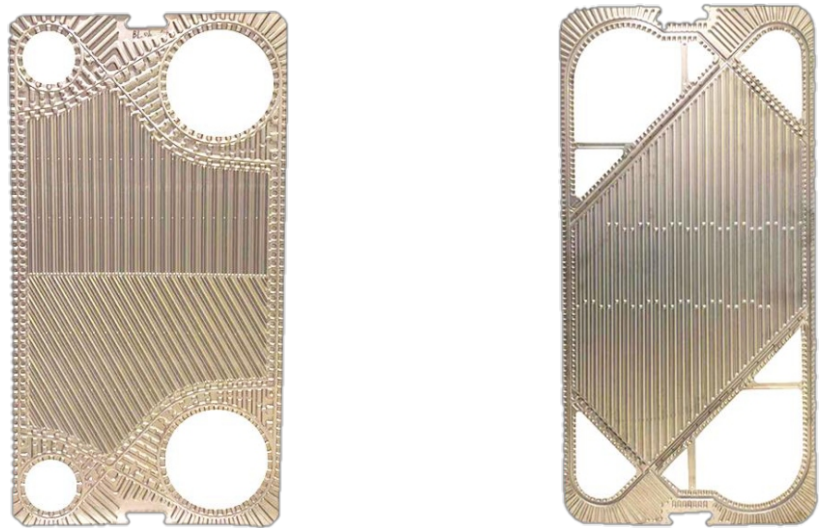
Plate condenser: it is composed of two plates A and B, which can be divided into two types: welding and detachable. A plate is straight corrugated and B plate is transverse herringbone corrugated.

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.

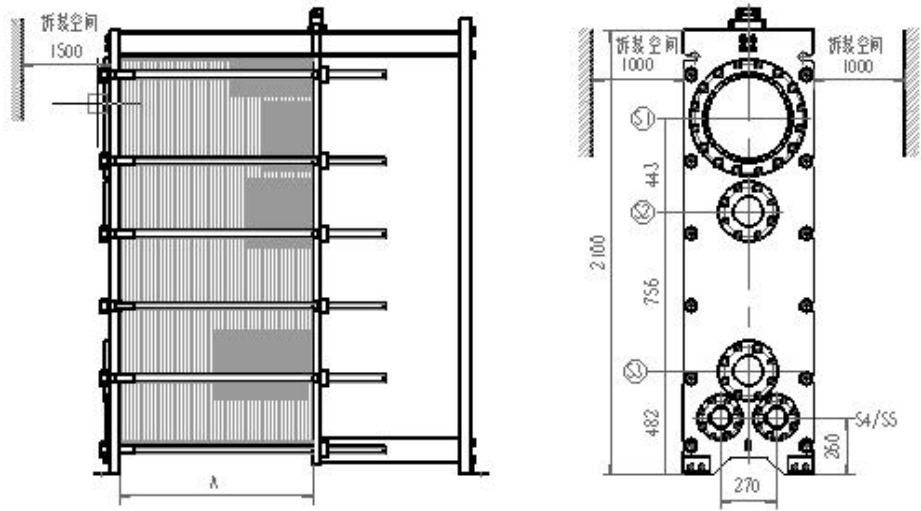
[It is mainly used in chemical industry, petroleum, light industry food, pharmaceutical industry, machinery, heating and heating industry, ship, metallurgy, mine, power industry, etc.](#)



Model	Single plate area(m²)	Dimension A*B(mm)	Corner hole diameter C(mm)	Corner hole diameter D(mm)
BL0.8	0.6	1487*786	φ100	φ150
BL1.0	1	1980*995	φ400	φ200



Model	Single plate area (m²)	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	0.7	2236*738	φ585	φ250	φ250	φ150
L800	1.1	2446*838	φ784	φ300	φ200	φ200







## SERVICE AND SUPPORT

Our production is strictly according to the relevant standards and technical specifications, quality tracking for overall process, with monitoring to ensure that each product quality to meet the requirements.

Our global after-sales service net work cover Asia, Europe, the Middle East and the south America, North America so more than 100 regions and countries, and even our maintenance service for Marine industry have up to 21 spots worldwide.

No matter where you are, just a phone call or an E-mail we will be the fastest speed for you to provide quality and comprehensive services.

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