ABOUT US

Alfa Plate Heat Exchanger

Jiangsu Yuanzhuo Equipment Manufacturing Co.,LTD was established in Jiangyin City (Chin) 2013. The comapny is also simply know as Alfa Members of Alfa are the specialists who have gained rich experience in the heat transfer sector for many years and are holding the most advanced technology for the plate heat exchanger: research,design and production.

LASER SEMI-WELDED PLATE HEAT EXCHANGERS

Semi-welded PHE features

- **Laser welds that take the pressure**

  Created with computer-guided precision,the laser-welded seam hermetically seals the flow field.In contrast to normally sealed units, thecassettes remain immuneto aggressive media.Each cassette is subject to a strict quality control procedure that ensures the strictest safety standards

- **The technology of separate paths**

  Plateheat exchanger works on the principleof 100% separate flow paths.The critical medium moves through a hermetically welded flow path,transferring heat to the less critical medium in its own,conventional sealed path,without this strict separation,many industrial applications simply would not be possible

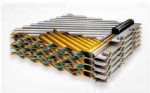
- **Glue-free seals that last longer**

  Neoprene sealingrings with a high resistance to chemicalattack are fitted to the joints of the last-welded cassettes.The Glue-free system 'hides'these seals in a specialgroove,minimising direct contact with themedium and extending theirlife.The sealing rings also provideaccess forcleaning,andimprove stability against thermal tension

- **The advanced flow principle**

  This innovative flow path geometry generates turbulence in the media flowing through the gaps.This resultsin very highefficientheat transfer with minimum pressure drop.Excellent heat transfer is possible-even with moderate flow rates.Plate types withdifferentheat transfer values are available for different applications.

Type table



		B80HW	B100BW	B150BW
Length	mm	940	1180	1650
Width	mm	340	440	620
Connection		DN50	DN100	DN150
Max.volume flow	M³/h	40	155	340
Max.pressure	Bar		40	
Plate material		SUS304,SUS316L,SMO254,Titanum,C-276		
Main body gasket		Laser welded,EPDM,NBR,Viton		
Port ring gasket		Neoprene（CR）, LT-NBR,HNBR,PTFE		
Frame		extended：16，25，40bar		

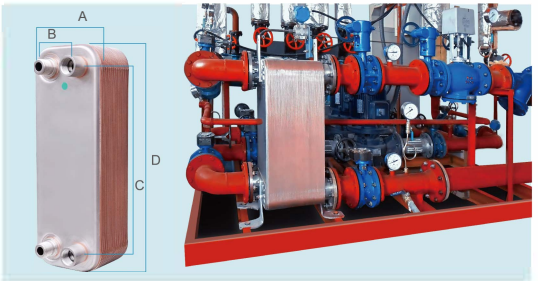
BRAZED PLATE HEAT EXCHANGER

Brazed plate heat exchanger is formed by stainless steel and purity higher than 99% of copper solder integrally at the high temperature in the vacuum brazing furnace.

Technological advantage: compact structure, easy installation, light weight, high bearing temperature, high bearing pressure

Nickel BHE
- Plate material: AISI316L
- Connection material: AISI304
- Brazing material: Nicker
- Maxdesign temperature: 225℃
- Min design temperature: -196℃
- Max design pressure: 15barg

Copper BHE
- Platematerial: AISI316L/304
- Connection material: AISI304
- Brazing material: Copper
- Maxdesign temperature: 225℃
- Min design temperature: -196℃
- Maxdesign pressure: 45barg

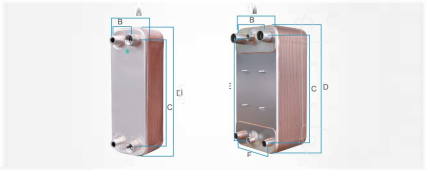


Model	A (mm)	B (mm)	C (mm)	D (mm)	thickness (mm)	weight (mm)	Stagnant fluid volume (L)	Design pressure(Mpa)	Max fluid(L)
ZL14	76	42	172	206	9+2.3N	0.6+0.056N	0.010(N-2)	1/3/4.5	8m3/h
ZL18	95	50	165	210	9+3.1N	0.3+0.06N	0.010(N-2)	1	8m3/h
ZL20B	78	42	282	318	9+2.3N	0.9+0.088N	0.018(N-2)	3/4.5	8m3/h
ZL26	111	50	250	310	10+2.36N	1.3+0.12N	0.025(N-2)	3/4.5	18m3/h
ZL30	124	70	250	304	13+2.4N	2.2+0.146N	0.032(N-2)	3/4.5	18m3/h

Model	A (mm)	B (mm)	C (mm)	D (mm)	thickness (mm)	weight (mm)	Stagnant fluid volume (L)	Design pressure(Mpa)	Max fluid(L)
ZL50A	111	50	468	525	10+2.35N	1.1+0.215N	0.047(N-2)	3/4.5	18m3/h
ZL50B	111	50	468	525	10+2.35N	1.1+0.213N	0.047(N-2)	3/4.5	18m3/h
ZL50M	118	63	470	526	10+2.35N	2.4+0.223N	0.051(N-2)	3/4.5	18m3/h
ZL95A	161	92	519	616	11+2.76N	6+0.415N	0.125(N-2)	3/4.5	42m3/h
ZL95B	161	92	519	616	11+2.76N	6+0.413N	0.125(N-2)	3/4.5	42m3/h
ZL120A	246	174	496	525	13+2.36N	7+0.472N	0.98(N-2)	3/4.5	42m3/h
ZL120B	246	174	456	528	13+2.36N	7+0.472N	0.98 (N-2)	3/4.5	42m3/h
ZL200A	321	188	603	738	9+1.58N	13+0.74N	0.22(N-2)	1.5/2.1/3	100m3/h
ZL200B	321	188	603	738	13+2.7N	13+0.73N	0.22(N-2)	1.5/2.1/3	100m3/h

High efficiency heat exchanger

Our ZL20, ZL62 series, ZL130 , ZL250 are specifically developed for R410A refrigerant, which is ideal alternative of R22. R410A efficientheat exchanger is not only resistant to highpressure,butalso with less refrigerant to achieve the same cooling effect. ZL20 and ZL62 are unilateral flow. ZL130 and ZL250 are diagonal flow. They can work from the power range of 1KW to 250KW.



Model	A(mm)	B(mm)	C(mm)	D(mm)	Thickness(mm)	Weight(mm)	Stagnant fluid volume (L)	Design pressure (Mpa)	Max fluid(L)
ZL20A	86	40	266	315	9+1.58N	1+0.094N	0.018(N-2)	3/4.5	8m3/h
ZL62A	119	63	470	526	10+2.35N	2.4+0.225N	0.051(N-2)	3/4.5	18m3/H

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Thickness (mm)	Weight (mm)	Stagnant fluid volume (L)	Design pressure(Mpa)	Max fluid(L)
ZL130	247	161	495	414	369	172	10+2.15N	4+0.424N	0.080(N-2)	3/4.5	42m3/h
ZL250	322	205.2	739	631.7	568	224.4	13+2.7N	16+0.711N	0.22(N-2)	3/4.5	100m3/h

www.jiayuanzhuo.com