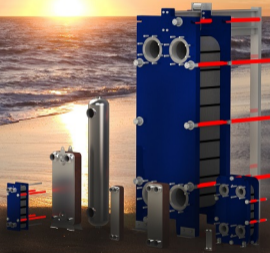


BAODE

BAODE HEAT EXCHANGER

Address: NO.1 Kailai Road, Jiangyin, China  
Phone: 0510-86020253  
Fax: 0510-86020233  
Email: [info@baode-hex.com](mailto:info@baode-hex.com)  
Web: [www.baode-hex.com](http://www.baode-hex.com)



-Braze Plate Heat Exchanger    -Gasket Plate Heat Exchanger    - Swimming Pool Heat Exchanger



# BAODE

- Innovation
- Responsibility
- Sharing
- Sincerity



### About Baode:

BAODE Plate Heat Exchanger Co., Ltd. is the Chinese NO.1 Brand Plate Heat Exchanger manufacturer specialized in development, Production and global marketing of plate heat exchangers.

Since the very start in 2004 BAODE has grown to one of the leading companies in China Plate heat exchanger market and has developed a big range of plate heat exchangers for any task Our main products are Brazed plate heat exchanger & Gasket plate heat exchanger.



### Company Facts:

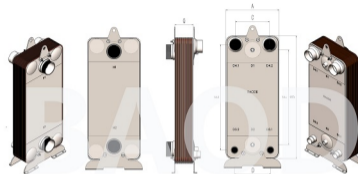
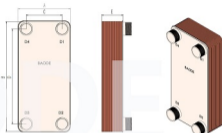
- \* Headquartered in Jiangyin, Wuxi China
- \* Achieved ISO9001:2001, CE, UL, CCS, GL, BV, DNV certificates
- \* More than 150 employees.
- \* Our products export all over the world.



# Brazed Plate Heat Exchanger

## Regular Single System BPHE Size Guide

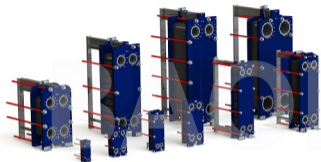
## Dual Systems BPHE Size Guide



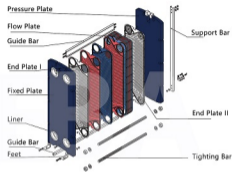
MODEL	BL100	BL210
Width A (mm)	248	322
Height B (mm)	495	739
Thickness G (mm)	10+2.15N	13+2.55N
Up Horizontal Port Distance C (mm)	157	205.2
Low Horizontal Port Distance D (mm)	168	224
Gas side Vertical Port Distance E (mm)	405	631
Water side Vertical Port Distance F (mm)	405	568
Max Pressure [Mpa]	3/4.5	3/4.5
Max Flow Rate [M <sup>3</sup> /h]	42	100
Weight [kg]	6.5+0.37N	13+0.78N

MODEL	BL12	BL14	BL14D	BL15	BL16	BL20	BL21	BL26	BL30	BL50	BL51	BL60	BL85	BL95	BL120	BL122	BL190	BL200	BL350	BL600
Width A (mm)	76	76	72	80	78	76	76	108	124	108	107	120	119	188	246	246	307	321	304	435
Height B (mm)	154	206	178	190	208	318	213	310	304	525	527	528	526	616	528	528	696	738	979	1410
Thickness E (mm)	8+1.25N	9+2.3N	9+2.3N	9+2.3N	9+2.3N	9+2.2N	9+1.25N	10+2.3N	13+2.3N	10+2.35N	10+2.35N	8+2.3N	11+1.95N	11+2.35N	13+2.36N	13+2.36N	13+2.75N	13+2.7N	9+2.28N	22+2.78N
Horizontal Port Distance C (mm)	42	42	40	40	42	42	42	50	70	50	50	63	63	92	174	174	179	188	179	220
Vertical Port Distance D (mm)	120	172	154	154	172	282	278	250	250	466	466	470	470	456	456	456	567	603	854	1190
Max Pressure [Mpa]	3/4.5	3/4.5	1	1	3/4.5	3/4.5	3/4.5	3/4.5	3	3/4.5	3/4.5	3/4.5	4.5	3/4.5	3	4.5	3	3/4.5	3	1.5
Max Flow Rate [M <sup>3</sup> /h]	3.6	3.6	3.6	3.6	3.6	3.6	8	8.1	12.7	12.7	12.7	12.7	22	39	42	42	100	100	100	300
Weight [kg]	0.28+0.03N	0.6+0.08N	0.4+0.05N	0.6+0.06N	0.65+0.047N	1+0.08N	0.66+0.07N	1.3+0.12N	2.2+0.16N	2.6+0.19N	2.6+0.19N	2.4+0.19N	3.1+0.19N	7.8+0.36N	7.2+0.52N	8.5+0.46N	12.5+0.72N	13+0.75N	35+0.99N	31.8+1.73N

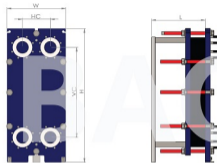
# Gasket Plate Heat Exchanger



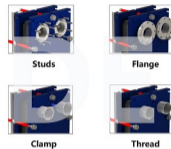
## Construction



## Size Guide



## Connection Type



## Gasket

Material	Max Temperature
NBR	110 °C
EPDM	140 °C
VITON	180 °C

## Plate

Material	Thickness (mm)
304/316 Stainless	0.5/0.6
SMO	0.5/0.6
Ti	0.5/0.6
Nickel	0.5/0.6
Hastalloy	0.5/0.6

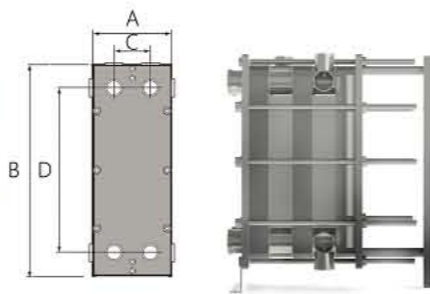
Model	B30	B60B	B60H	LB60B	LB100B	LB100P	SH60H	SH200H	B100B	B100H	B150B	B150H	B200B	B200H	B250B	B250H	B300B	B450H
Height, H [mm]	480	920	920	1264	1888	1888	704	1397	1045	1069	1815	1815	2260	2260	2595	2595	2900	3530
Width, W [mm]	180	320	320	320	480	480	400	800	454	470	610	610	780	780	920	920	1150	1430
Max Length, L [mm]	620	1435	1445	1445	3242	3242	1430	3305	1795	1810	3246	3260	3290	3305	3350	3350	3378	6204
Vertical Port Distance, VC [mm]	357	640	640	1436	1338	1338	380	698	719	719	1294	1294	1478	1478	1939	1939	1842	2468
Horizontal Port Distance, HC [mm]	60	140	140	140	225	225	203	363	225	225	298	298	353	353	439	439	596	720
Max Temperature [°C]	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180
Max Pressure [barg]	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16
Port Size	Pipe 1 1/4"	DN50/2"	DN50/2"	DN50/2"	DN100/4"	DN100/4"	DN65/2"	DN200/8"	DN100/4"	DN100/4"	DN150/6"	DN150/6"	DN200/8"	DN200	DN200/DN250/ 8"/10"	DN200/DN250/ 8"/10"	DN300/DN350/ 12"/14"	DN450/18"
Channel depth [mm]	2.5	2	3	2	2	2.5	4	4	2.6	4	2.6	4	2.6	4	2.6	4	3.4	4
Max Water flow rate [kg/s]	4	16	16	16	50	50	20	190	50	50	80	80	225	225	250	250	497	1000

## Food Grade Frame and Plate HEX

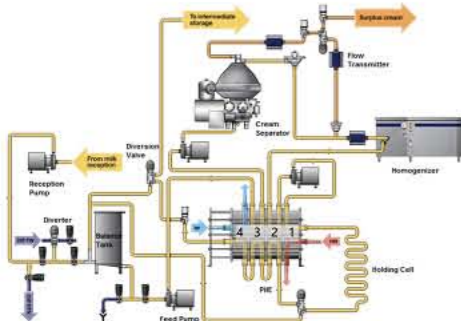


### FBLine- Food grade GPHE

FBLine is a range of gasketed plate-and-frame heat exchangers used in dairy, food, beverage and other hygienic applications. FBLine uses FDA-compliant glue-free gaskets & Full stainless frame and is easy to open for inspection. The plate configuration is flexible with many options.



Model		A	B	C	D
Single Purpose	Pasteurization				
BS30	FB30	180	480	60	357
BS60H	FB60H	320	940	140	640
BS100H	FB100H	470	1084	225	719



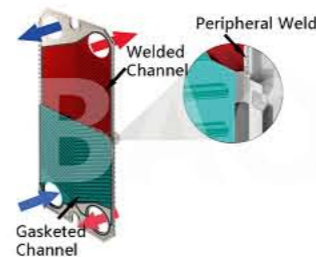
	Section 1	Section 2	Section 3	Section 4
Heating		Regeneration	Preheating	Cooling
Milk	68.5°C->74.0°C	Milk 55.0°C->68.5°C	Milk 5.0°C->55.0°C	Milk 2.6°C->6.0°C
Water	72.0°C<-76.0°C	Milk 60.5°C<-74.0°C	Milk 10.5°C<-60.5°C	Water 4.0°C<-10.5°C

### What is Semi-weld PHE?

The Semi weld Plate heat exchanger plates are welded by laser. The laser welding means that metal is melted by a laser beam from a high power laser. The charge is protected by inert gas. Additional welding material is not required.

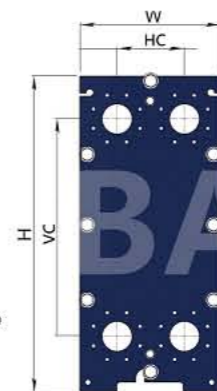
### Applications

- Chemicals
- Energy and Utilities
- Food&Beverages
- HVAC& Refrigeration
- Marine and Transportation
- Mining • Pulp&Paper
- Steel • Water and Waste treatment



### Benefits

- High energy efficiency – low operating cost
- Flexible configuration
- Easy to install – compact design
- High serviceability – easy to open for inspection & cleaning and easy to clean by CIP
- Access to Alfa Laval's global service network



## Semi-weld Plate Heat Exchanger

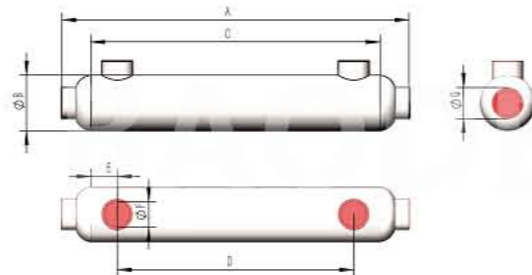


Model	B60MW	B100BW	B150BW
Height, H [mm]	920	1045	1815
Width, W [mm]	320	454	610
Max Length, L [mm]	1445	1795	3246
Vertical Port Distance, VC	640	719	1294
Horizontal Port Distance, HC	140	225	298
Max Temperature [°C]	180	180	180
Max Pressure [barg]	10/16	10/16	10/16
Port Size	DN50/2"	DN100/4"	DN150/6"
Channel depth [mm]	3	2.6	2.6
Max Water flow rate [kg/s]	16	50	80

# Swimming Pool Heat Exchanger



## SIZE GUIDE



## Install With Bracket



Model	ST16	ST25	ST45	ST60	ST88	ST105	ST175	ST352	ST700	ST880	ST1050	ST1350	ST1450	ST1750
A [mm]	339	494	404	511	701	890	862	895	964	1130	1330	1030	1130	1330
B [mm]	63.5	63.5	80	80	80	80	110	127	168	168	168	219	219	219
C [mm]	253	408	310	417	611	800	750	765	834	1000	1200	900	1000	1200
D [mm]	193	348	234	341	521	710	644	659	662	828	1028	728	828	1028
E [mm]	30	30	38	38	45	45	53	53	86	86	86	86	86	86
F [mm]	1"	1"	1.5"	1.5"	2"	2"	2.5"	2.5"	4"	4"	4"	4"	4"	4"
G [mm]	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16	10/16
POOL SIZE [m <sup>2</sup> ]	3/4"	3/4"	1"	1.5"	1.5"	1.5"	2"	2"	2.5"	2.5"	2.5"	2.5"	2.5"	2.5"
Tube No	22	22	36	36	36	36	75	94	171	171	171	292	292	292
Capacity [kw] or [kbtu/h]	16kw / 55kbtu/h	25kw / 85kbtu/h	45kw / 105kbtu/h	60kw / 205kbtu/h	88kw / 300kbtu/h	105kw / 360kbtu/h	175kw / 600kbtu/h	352kw / 1200kbtu/h	700kw / 2400kbtu/h	880kw / 3000kbtu/h	1050kw / 3600kbtu/h	1350kw / 4500kbtu/h	1450kw / 5000kbtu/h	1750kw / 6000kbtu/h