



Annual Production Capacity:
4,200,000 units

Market Distribution:
55%
China Domestic Market

Patents:
118⁺

Registered Capital:
31.8 Million RMB

25%
European and American Markets

Strategic Partners:
100⁺

Construction Area:
50,000m²

20%
Other Markets

Service Countries:
45⁺



Hrale Family



Vacuum Brazing Furnaces



BPHE Helium Leakage Detector

Hrale® 哈雷 | World-renowned Supplier of
Heat Exchanger System Solution

BRAZED PLATE HEAT EXCHANGER



3 million⁺

More than 3 million products from our production
base every year spread all over the world.



NINGBO HRALE PLATE HEAT EXCHANGER CO., LTD.

ADD.: No.98, Binwan Road, Binhai New Area, Fenghua, Ningbo, China.

TEL.: 86-574-8866 1198
E-mail: zhuojq@hrale.com

FAX: 86-574-8891 6955
Website: www.hrale.com

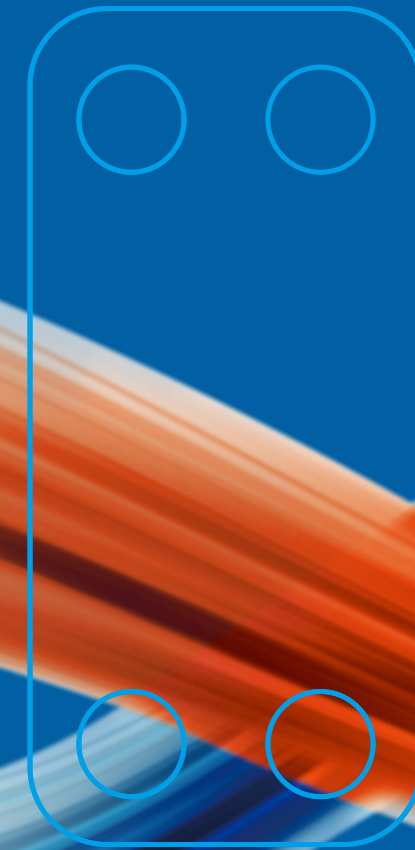


For more information,
please visit our website:

www.hrale.com

BRAZED PLATE HEAT EXCHANGER

World-renowned Supplier of
Heat Exchanger System Solution

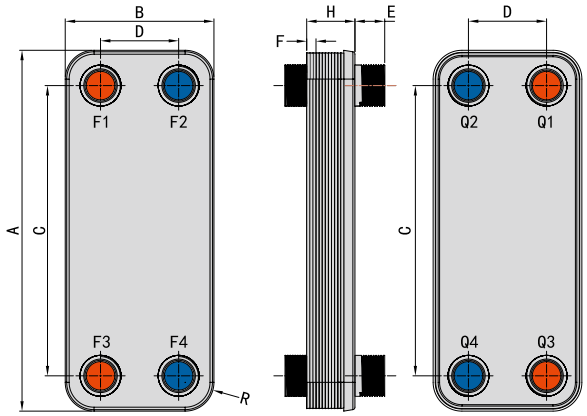
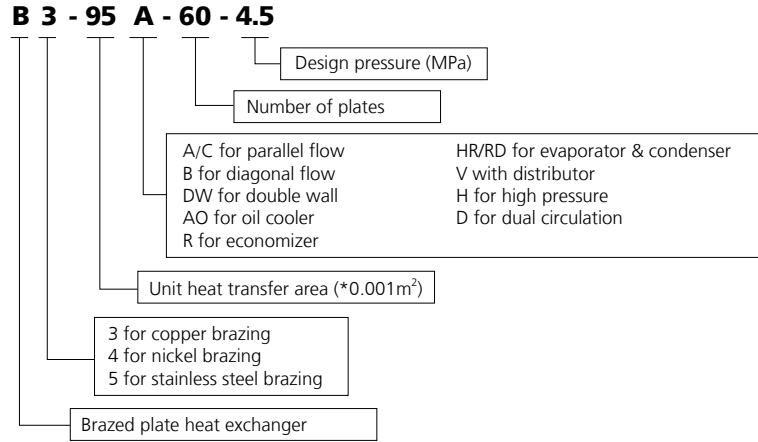


www.hrale.com

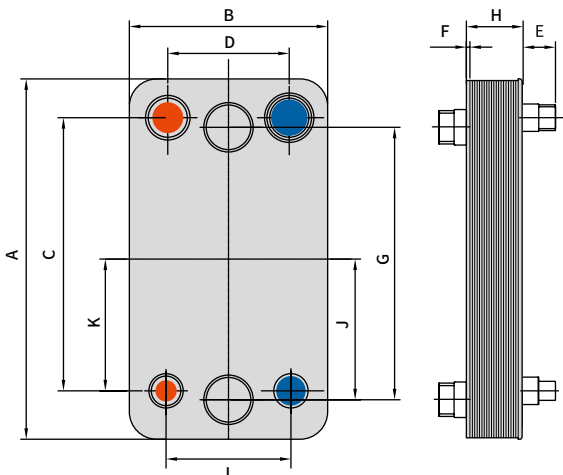
Hrale® 哈雷



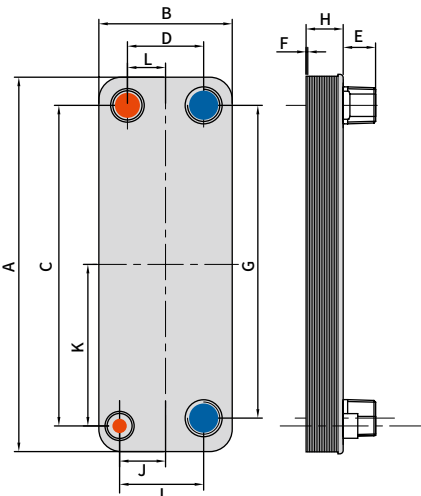
Model Number Instruction



Standard/Double Wall BPHE



Dual Circulation BPHE

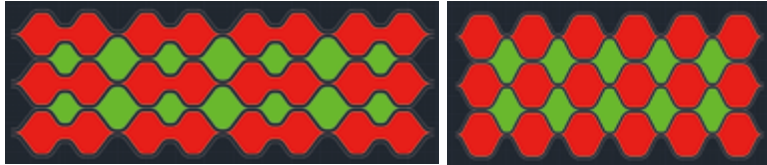


Off-center BPHE

Hrale Core Technology



Hrale double wall BPHE can greatly improve the safety of heat exchange system,unexpected internal leakage of the BPHE can be easily observed.



Hrale BPHE with special designed asymmetric channels, can precisely match the user's heat transfer and pressure drop requirements for hot and cold fluids respectively and thus save needed heat transfer area as well as costs for heat exchangers, installation space and operation.

Standard BPHE

Model	Type	A	B	C	D	F	No. of plates NoP ≤	H	Weight(kg)	Volume per channel(L)	Unit heat exchanger area(M²)	Working pressure	Max. connector size
B3-5	A/C	135	40	104	18	5	60	4.7+1.80*NoP	0.04+0.002*NoP	0.006/0.006	0.005	3.0	1/4"
B3-6	R	120	54	91	26	7	60	7.0+1.20*NoP	0.20+0.020*NoP	0.008/0.008	0.006	4.5	1/2"
B3-9	AO	146	99	110	65	7	60	7.0+2.24*NoP	0.24+0.039*NoP	0.019/0.019	0.009	3.0	1/2"
B3-10	R	156	78	120	42	5	60	9.0+1.21*NoP	0.48+0.030*NoP	0.010/0.008	0.010	4.5	1/2"
B3-12	A/B/H/R	191	73	154	40/42	7	60	7.0+2.24*NoP	0.40+0.044*NoP	0.018/0.018	0.012	1.0/3.0/4.5	3/4"
B3-13	A	199	85	154	40	7	60	7.0+2.34*NoP	0.95+0.065*NoP	0.020/0.020	0.013	3.0	3/4"
B3-14	A	196	86	156	46	7	60	7.0+2.24*NoP	0.40+0.048*NoP	0.022/0.022	0.014	1.0/3.0	3/4"
	C/B/H/R	208	73	172	40/42	7	60	7.0+2.24*NoP	0.40+0.048*NoP	0.022/0.022	0.014	1.0/3.0/4.5	3/4"
B3-15	A/B	199	89	154	42	7	60	7.0+2.24*NoP	0.40+0.048*NoP	0.022/0.022	0.015	1.0	3/4"
B3-16	A/B	220	90	180	52	7	60	7.0+2.24*NoP	1.20+0.060*NoP	0.029/0.029	0.016	1.0	1"
B3-18	B	252	77	214	40	7	60	7.0+2.24*NoP	0.40+0.048*NoP	0.024/0.024	0.018	1.0	3/4"
B3-20	A	168	122	120	73	7	60	10.6+2.24*NoP	1.20+0.054*NoP	0.030/0.030	0.020	3.0	1"
B3-23	A/B/H	315	73	278	40	7	60	7.0+2.24*NoP	1.20+0.070*NoP	0.040/0.040	0.023	1.0/3.0	3/4"
	R	319	76	278	40	7	60	9.0+1.05*NoP	1.20+0.070*NoP	0.040/0.040	0.023	4.5	
	RD	317	73	278	42	7	120	11.0+1.52*NoP	0.71+0.064*NoP	0.117/0.188	0.023	4.5	
B3-26	A	308	106	250	50	7	120	13.0+2.40*NoP	1.30+0.125*NoP	0.050/0.050	0.026	3.0	1"
B3-27	A	286	116	234	63	7	120	7.0+2.40*NoP	1.30+0.126*NoP	0.050/0.050	0.027	3.0	1-1/4"
B3-32	A/H	290	119	243	72	7	120	10.0+2.40*NoP	1.30+0.126*NoP	0.050/0.050	0.032	3.0	1"
B3-35	A	308	125	250	70	7	120	12.5+2.40*NoP	1.30+0.126*NoP	0.056/0.056	0.035	3.0	1-1/2"
B3-36	A	469	76	432	40	7	120	9.0+2.40*NoP	1.30+0.106*NoP	0.063/0.063	0.036	3.0	3/4"
B3-42	V/HR	376	119	329	72	7	160	11.0+1.61*NoP	1.80+0.114*NoP	0.049/0.054	0.042	4.5	1"
B3-52	A	523	107	466	50	7	120	15.0+2.40*NoP	1.50+0.230*NoP	0.094/0.094	0.052	3.0/4.5	1-1/4"
B3-60	A	529	124	478	73	7	160	11.0+2.40*NoP	2.70+0.260*NoP	0.111/0.111	0.060	3.0	1-1/2"
B3-63	A	390	200	298	120	7	160	11.0+2.55*NoP	5.50+0.270*NoP	0.128/0.128	0.063	3.0	2"
B3-65	A	535	120	476	60	7	150	11.5+1.4**NoP	2.10 +0.140*NoP	0.050/0.084	0.065	4.5	1-1/4"
B3-68	A	526	119	470	63	7	160	11.0+2.32NoP	2.50+0.223NoP	0.104/0.111	0.068	4.5	1-1/4"
	V	526	119	470	63	7	160	11.0+1.88NoP	2.70+0.177NoP	0.083/0.102	0.068		
B3-73	V	529	113	476	60	7	120	11.0+1.95*NoP	2.60+0.168*NoP	0.081/0.102	0.073	4.5	1-1/4"
B3-95	A	616	191	519	92	7	200	15.0+2.40*NoP	7.80+0.420*NoP	0.250/0.250	0.095	3.0/4.5	2"
B3-105	A	528	246	430	148	7	280	15.0+2.53*NoP	9.50+0.460*NoP	0.290/0.290	0.105	3.0	3"
B3-115	A/C	535	253	456	174	7	280	15.0+2.42*NoP	1.40+0.424*NoP	0.250/0.250	0.115	3.0/4.5	2"

Double Wall BPHE

Model	Type	A	B	C	D	F	No. of plates NoP ≤	H	Weight(kg)	Volume per channel(L)	Unit heat exchanger area(M²)	Working pressure	Max. connector size
B3-14	DW	198	88	156	46	7	60	12.0+2.50*NoP	1.00+0.070*NoP	0.022/0.022	0.014	3.0/4.5	3/4"
B3-32	DW	290	119	243	72	7	120	10.0+2.42*NoP	1.50+0.190*NoP	0.050/0.050	0.032	3.0/4.5	1"
B3-52	DW	525	108	466	50	7	120	17.0+2.50*NoP	3.60+0.316*NoP	0.094/0.094	0.052	3.0/4.5	1-1/4"
B3-95	DW	616	191	519	92	7	200	16.0+2.55*NoP	8.00+0.600*NoP	0.250/0.250	0.095	3.0/4.5	2"

Off-center BPHE

Model	Type	A	B	C	D	F	No. of plates NoP ≤	G	H	I	J	K	L	Weight(kg)	Volume per channel(L)	Unit heat exchanger area(M²)	Working pressure	Max. connector size
B3-30	V/HR	324	94	268	39	7	120	269	12.0+1.47*NoP	40.4	19.7	133.5	/	1.10+0.081*NoP	0.029/0.031	0.030	4.5	1"
B3-40	RD	333	120	286	68	7	120	279	11.0+1.52*NoP	75	41	146.5	/	1.60+0.115*NoP	0.038/0.042	0.040	4.5	1-1/4"
B3-80	V	496	163	432	88	7	180	426	11.0+2.07*NoP	102.6	56.5	223.2	42	2.10+0.276*NoP	0.116/0.135	0.080	4.5	1-1/2"
B3-215	A	694	304	601	205.5	7	260	597	18.0+2.28*NoP	215.5	/	/	/	18.40+0.736*NoP	0.403/0.430	0.215	3.0	2-1/2"

Dual Circulation BPHE

Model	Type	A	B	C	D	F	No. of plates NoP ≤	G	H	I	J	K	L	Weight(kg)	Volume per channel(L)	Unit heat exchanger area(M²)	Working pressure	Max. connector size
B3-120	D	535	253	449	167	7	280	454	15.0+2.40*NoP	167	/	/	/	1.40+0.420*NoP	0.260/0.260	0.120	4.5	2"
B3-130	D	525	289	398	177	7	260	397	13.0+2.12*NoP	182	205	192	/	7.00+0.403*NoP	0.240/0.270	0.130	4.5	2-1/2"

For more details, please refer to Hrale technical drawings.