



tpsheatexchangers

brazed plate heat exchanger

tpsheatexchangers.com

tel: +4428 9188 3875

Brazed PHE

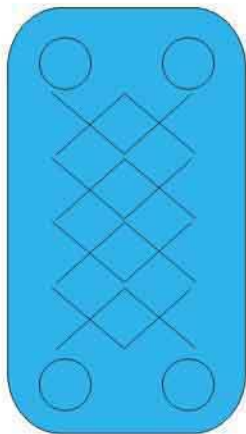
Brazed PHE Code:

HBL 14-20 D



Channel Type:

The channel type of the Brazed PHE



D channel



H channel



D channel

- ◆ D Channel-Large angle
- ◆ H Channel-Large angle mixed with Small angle
- ◆ X Channel-Small angle

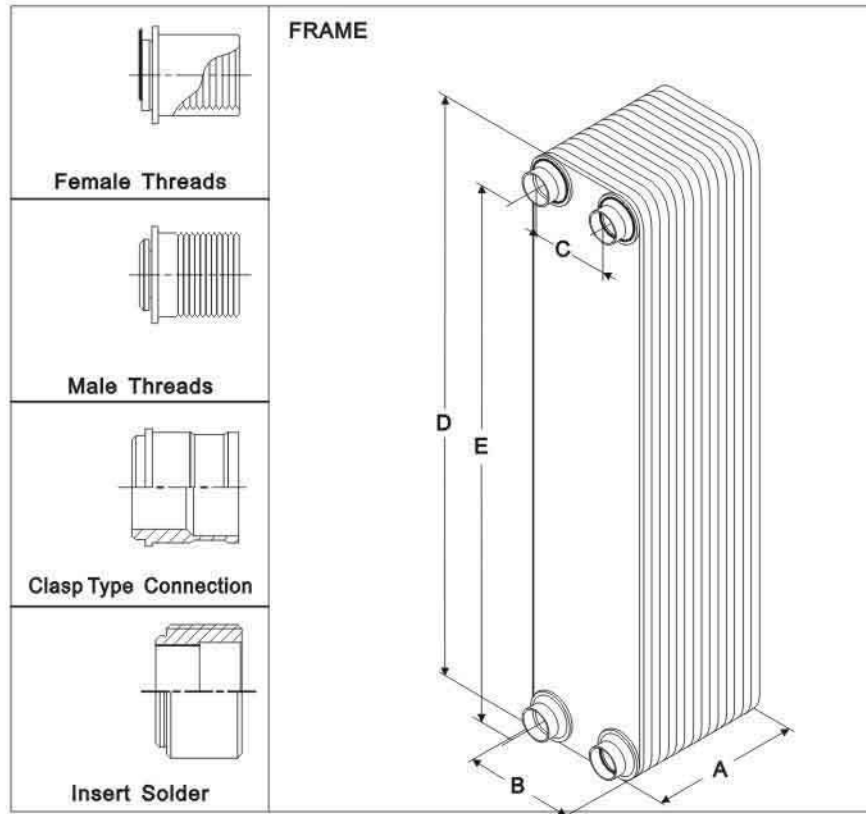
Characteristic of the Brazed PHE



- ◆ Compact structure and easy installation
 - ◇ Made of thin plates
 - ◇ High heat exchanging coefficient
 - ◇ Small liquid retardation
- ◆ Light in weight
 - ◇ 20%-30% of shell-tube heat exchanger
- ◆ Small consumption of water
 - ◇ only need 1/3 of shell-tube heat exchanger cooling water.
- ◆ Durability
 - ◇ Withstand high temperature 400 C and high pressure 45 bar
- ◆ Low scaling coefficient
 - ◇ High turbulence reduces scaling coefficient
- ◆ High quality

Product specifications

◆ Four types of connections can be chosen in accordance with customers' needs.



◆ Dimension Unit (mm)

◆ N means the number of plates

◆ Max Design Pressure of BL14, BL20, BL26, BL50, BL95 Can be 4.5 Mpa

Model	A	B	C	D	E	Weight (Kg)	Channel Volume(L)	Heat Exchanger Area(m ²)	Design Pressure Mpa	Test Pressure Mpa	Design Temperature °C
BL14	10+2.3N	76	42	206	172	0.7+0.06N	0.010(N-2)	0.014(N-2)	3	4.5	-160—225
BL14A	10+2.3N	80	40	190	154	0.9+0.06N	0.010(N-2)	0.014(N-2)	3	4.5	-160—225
BL20	10+2.3N	76	42	310	280	1.0+0.08N	0.018(N-2)	0.020(N-2)	3	4.5	-160—225
BL26	10+2.35N	111	50	325	250	1.3+0.13N	0.025(N-2)	0.026(N-2)	3	4.5	-160—225
BL50C	10+2.4N	111	50	525	466	2.0+0.19N	0.047(N-2)	0.050(N-2)	3	4.5	-160—225
BL50D	10+2.5N	111	50	525	466	2.0+0.21N	0.047(N-2)	0.050(N-2)	3	4.5	-160—225
BL95A	11+2.35N	191	92	616	519	7.8+0.36N	0.105(N-2)	0.095(N-2)	3	4.5	-160—225
BL95B	11+2.72N	191	92	616	519	7.8+0.44N	0.125(N-2)	0.095(N-2)	3	4.5	-160—225
BL100	10+2.15N	248	157	496	405	6.5+0.37N	0.080(N-2)	0.1(N-2)	3	4.5	-160—225
BL200	13+2.7N	321	188	738	603	13+0.75N	0.22(N-2)	0.21(N-2)	2.2	3.8	-160—225
BL200A	13+2.7N	321	188	738	603	13+0.75N	0.22(N-2)	0.21(N-2)	3.0	4.5	-160—225
BL1400	22+2.78N	429	220	1398	1190	31.8+1.73N	1.55(N-2)	0.65(N-2)	2.0	3.0	-160—225