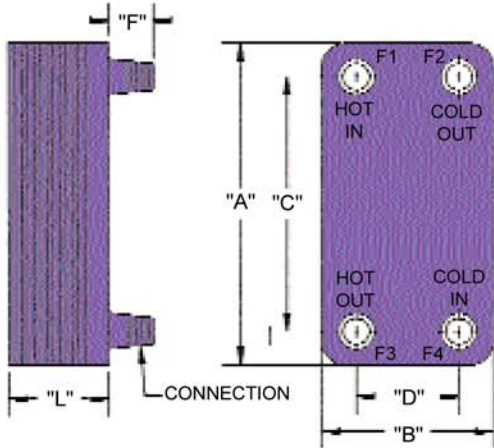


BPHE Specifications

STANDARD CONNECTIONS:



TYPE	THREADED (INCH)	SIZE SOLDERING (INCH)	F (INCH)	F (METRIC)
B2	1/2" & 3/4"	7/8"	25/32"	20mm
B2L	1/2" & 3/4"	7/8"	25/32"	20mm
B4	1"	1-1/8"	25/32"	20mm
B6	1"	1-1/8"	25/32"	20mm
B8	1-1/2"	1-5/8"	1-1/16"	27mm
B14	1-1/2"	1-5/8"	1-1/16"	27mm
B20	2-1/2"	2-5/8"	1-1/4"	32mm
B50	4"	N/A	1-5/8"	41mm

MODEL	A	B	C	D	L	MAX NO. OF PLATES	AREA PER PLATE	WEIGHT EMPTY
B2	7-1/4" [184]	2-3/4" [70]	6-1/16" [154]	1-9/16" [40]	1/4" + (.09" x np) [6 + (2.3 x np)]	60	0.13 ft ² [.012 m ²]	1.1 + (.09 x np) lbs [.41 + (.03 x np)] kg
B2L	12-1/8" [308]	2-3/4" [70]	10-15/16" [278]	1-9/16" [40]	1/4" + (.09" x np) [6 + (2.3 x np)]	60	0.25 ft ² [.023 m ²]	1.8 + (.01 x np) lbs [.67 + (.04 x np)] kg
B4	11-1/4" [286]	4-1/2" [114]	9-9/16" [243]	2-7/8" [73]	1/4" + (.09" x np) [6 + (2.3 x np)]	120	0.33 ft ² [.030 m ²]	2.6 + (.29 x np) lbs [.97 + (.11 x np)] kg
B6	20-9/16" [522]	4-1/2" [114]	18-15/16" [481]	2-7/8" [73]	1/4" + (.09" x np) [6 + (2.3 x np)]	120	0.68 ft ² [.063 m ²]	4.4 + (.53 x np) lbs [1.64 + (.20 x np)] kg
B8	15-1/4" [387]	9-3/8" [238]	12-3/4" [324]	6-7/8" [174]	1/4" + (.09" x np) [6 + (2.3 x np)]	250	1.00 ft ² [.093 m ²]	7.7 + (.77 x np) lbs [2.87 + (.29 x np)] kg
B14	20-1/2" [521]	9-3/8" [238]	17-15/16" [456]	6-7/8" [174]	1/4" + (.09" x np) [6 + (2.3 x np)]	250	1.38 ft ² [.128 m ²]	10.1 + (1.03 x np) lbs [3.77 + (.38 x np)] kg
B20	20-1/2" [521]	9-3/8" [238]	17-15/16" [456]	6-7/8" [174]	1/4" + (.09" x np) [6 + (2.3 x np)]	280	1.38 ft ² [.128 m ²]	10.1 + (1.03 x np) lbs [3.77 + (.38 x np)] kg
B50	42-3/8" [1076]	18-1/4" [464]	38-1/2" [978]	14-3/4" [375]	1/4" + (.09" x np) [6 + (2.3 x np)]	300	2.76 ft ² [.256 m ²]	13.7 + (1.25 x np) lbs 5.11 + (.47 x np)] kg

np = number of plates, metric dimensions in mm are in [], actual dimensions may vary from values above.

Materials:

Plates and connections: AISI 316
Solder: Copper 99.9%

Working Parameters:

Working pressure max: 435 PSI [30 bar]
Working temperature: max 365°F [184°C]
min -319°F [-196°C]

Design is subject to change without notice.

Pressure Tests:

Every individual exchanger is tested before delivery.

- Pressure test, 580 PSI [40 bar]
- Leakage test
- Helium test (refrigeration applications)

Approvals:

Canada: Canadian Standard Association (CSA)
USA: Underwriters Laboratories (UL)
Germany: Technischer Überwachungs Verein (TUV)

