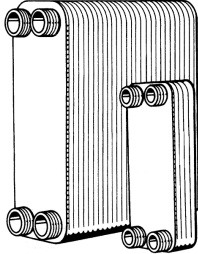


JOB:	REPRESENTATIVE:	
UNIT TAG:	ORDER NO.:	DATE:
ENGINEER:	SUBMITTED BY:	DATE:
CONTRACTOR:	APPROVED BY:	DATE:



Type BPX™ Brazed Plate Heat Exchanger

DESCRIPTION

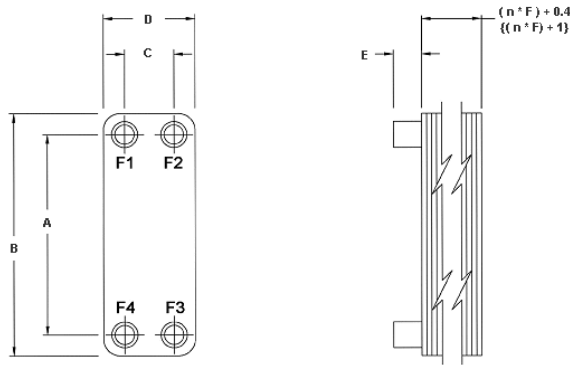
B & G type BPX brazed plate heat exchangers offer the highest level of thermal efficiency and durability in a compact, low cost unit. The corrugated plate design provides very high heat transfer coefficients, resulting in a more compact design. The unit's stainless steel plates are vacuum brazed together to form a durable, integral piece that can withstand high pressure and temperature.

DESCRIPTION

1. MODEL NUMBER: _____

Service: Cooler: _____ Heater: _____

	PRIMARY SIDE	SECONDARY SIDE	
2. Fluid Circulated	_____	_____	APPROVALS
3. Total Flow Expressed in GPM, GPH or lbs./min	_____	_____	
4. Specific Gravity	_____	_____	
5. Specific Heat	_____	_____	
6. Latent Heat	_____	_____	
7. Viscosity Expressed in Proper Units and Temperature such as centipoises @ °F	_____	_____	
8. Temperature In/Out	_____	_____	
9. Heat Load BTU/hr	_____	_____	
10. Thermal Conductivity	_____	_____	
11. Maximum Operating Temperature of Unit	_____	_____	
12. Pressure Drop (Maximum)	_____	_____	
13. Fouling Factor or Percentage of Additional Surface	_____	_____	
14. ASME Code	Y or N		



DIMENSIONS –

MODEL	INCHES (mm)						MNPT Connection	Volume Gal/channel (L/Chnl)	Surface Area per plate sq. ft. (sq. m)	Shipping Weight Lbs. ((kg))
	A	B	C	D	E	F				
BP400	6.8 (172)	8.2 (208)	1.7 (42)	3.1 (79)	1.0 (24)	0.1 (2.4)	3/4"	0.01 (0.03)	0.13 (0.01)	$(0.13 \times n + 1.5) * 1.01$ $\{(0.06 \times n + 0.7) * 1.01\}$
BP410	9.8 (250)	12.2 (310)	2.0 (50)	4.4 (112)	1.0 (24)	0.1 (2.4)	1"	0.02 (0.06)	0.28 (0.03)	$(0.29 \times n + 2.6) * 1.01$ $\{(0.13 \times n + 1.2) * 1.01\}$
BP411	9.8 (250)	12.2 (310)	2.0 (50)	4.4 (112)	1.0 (24)	0.1 (2.4)	1"	0.02 (0.06)	0.28 (0.03)	$(0.29 \times n + 2.6) * 1.01$ $\{(0.13 \times n + 1.2) * 1.01\}$
BP412	9.8 (250)	12.2 (310)	2.0 (50)	4.4 (112)	1.0 (24)	0.1 (2.4)	1"	0.02 (0.06)	0.28 (0.03)	$(0.29 \times n + 2.6) * 1.01$ $\{(0.13 \times n + 1.2) * 1.01\}$
BP415	18.4 (466)	20.7 (526)	2.0 (50)	4.4 (112)	1.0 (24)	0.1 (2.4)	1"	0.03 (0.10)	0.57 (0.05)	$(0.51 \times n + 4.2) * 1.01$ $\{(0.23 \times n + 1.9) * 1.01\}$
BP422	20.4 (519)	24.3 (617)	3.6 (92)	7.5 (191)	1.9 (48)	0.1 (2.5)	2"	0.07 (0.27)	1.06 (0.10)	$(0.97 \times n + 15.4) * 1.01$ $\{(0.44 \times n + 7.0) * 1.01\}$

Dimensions are subject to change. Not to be used for construction purposes unless certified.

n = Number of Channel Plates

Typical Connection Locations

Duty: Steam-to-Liquid

	BP400, BP410, BP411, BP412, BP415, BP422
Steam In	F1
Condensate Out	F4
Liquid In	F3
Liquid Out	F2

	Maximum Number of Plates
BP400	50
BP410	150
BP411	150
BP412	150
BP415	150
BP422	150

Duty: Refrigeration-to-Liquid

	BP400, BP410, BP411, BP412, BP415, BP422	
	Condenser	Evaporator
Refrig. In	F1	F4
Refrig. Out	F4	F1
Liq. In	F3	F2
Liq. Out	F2	F3

STANDARD MATERIALS

COVER PLATES: Stainless Steel ASTM 316L
 CHANNEL PLATES: Stainless Steel ASTM 316L
 BRAZING MATERIAL: Copper
 CONNECTIONS: From 1/2" to 4" Stainless Steel ASTM 316L
 CAPACITY: Up to 800 GPM
 CONSTRUCTION CODES: UL, CRN, ASME Code Stamp Option

NOTE: Model BPX units cannot be opened nor can plates be added or removed.

TECHNICAL DATA (Standard Design)

DESIGN PRESSURE (All Models)	DESIGN TEMPERATURE (All Models)
435 PSIG (30 bar)	-310° F min. (-195° C) 450° F max. (232° C)