

JOB:
REPRESENTATIVE:

UNIT TAG:

ORDER NUMBER:

DATE:

ENGINEER:

SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



Type Low Pressure BPX™ Brazed Plate Heat Exchanger For Residential Applications

DESCRIPTION

Bell & Gossett type Low Pressure BPX brazed plate heat exchangers offer the highest level of thermal efficiency and durability in a compact, low cost unit. These are ideal for applications that require 150 PSIG or less. 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.

OPERATING DATA

CHANNEL PLATES: Stainless Steel ASTM 316L

BRAZING MATERIAL: Copper

CONNECTIONS: From 3/4" to 1" Stainless Steel ASTM 304L

CAPACITY: Up to 52 GPM

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

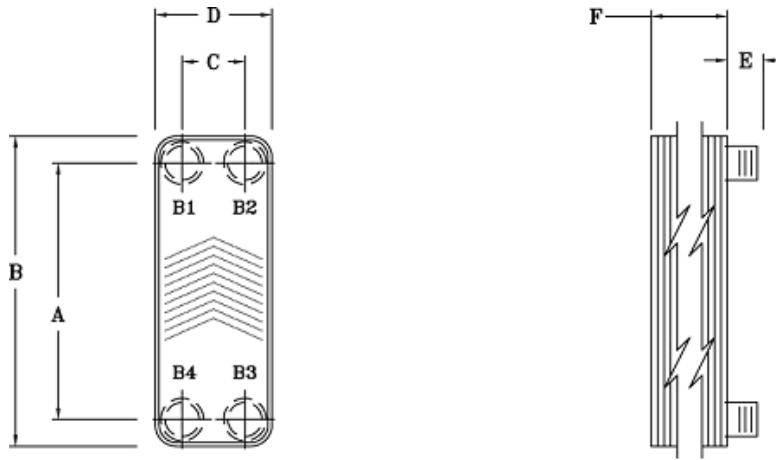
TECHNICAL DATA (Standard Design)

DESIGN PRESSURE (All Models)	DESIGN TEMPERATURE (All Models)
150 PSIG (10.35 bar)	-40° F min. (-40° C) 250° F max. (121.11° C)

DESCRIPTION

MODEL NUMBER	PART NUMBER	# OF PLATES	TAGGING INFORMATION	QUANTITY
BP400-10 LP	5-695-00-010-001	10		
BP400-20 LP	5-695-00-020-001	20		
BP400-30 LP	5-695-00-030-001	30		
BP400-40 LP	5-695-00-040-001	40		
BP410-10 LP	5-695-10-010-001	10		
BP410-20 LP	5-695-10-020-001	20		
BP410-30 LP	5-695-10-030-001	30		
BP411-10 LP	5-695-11-010-001	10		
BP411-20 LP	5-695-11-020-001	20		
BP411-30 LP	5-695-11-030-001	30		
BP412-20 LP	5-695-12-020-001	20		
BP412-30 LP	5-695-12-030-001	30		

APPLICATION: _____



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							
BP400-10 LP	6.77 (172)	8.2 (208)	1.65 (42)	3.1 (79)	0.95 (24)	1.15 (29)	3/4"	0.0076 (0.0288)	0.126 (0.0117)	2.8 (1.27)	0.01 (0.03)	0.13 (0.01)	2.8 (1.27)
BP400-20 LP	6.77 (172)	8.2 (208)	1.65 (42)	3.1 (79)	0.95 (24)	1.96 (50)	3/4"	0.0076 (0.0288)	0.126 (0.0117)	4.1 (1.86)	0.01 (0.03)	0.13 (0.01)	4.1 (1.86)
BP400-30 LP	6.77 (172)	8.2 (208)	1.65 (42)	3.1 (79)	0.95 (24)	2.77 (70)	3/4"	0.0076 (0.0288)	0.126 (0.0117)	5.4 (2.45)	0.01 (0.03)	0.13 (0.01)	5.4 (2.45)
BP400-40 LP	6.77 (172)	8.2 (208)	1.65 (42)	3.1 (79)	0.95 (24)	3.58 (91)	3/4"	0.0076 (0.0288)	0.126 (0.0117)	6.7 (3.04)	0.01 (0.03)	0.13 (0.01)	6.7 (3.04)
BP410-10 LP	9.84 (250)	12.2 (310)	1.97 (50)	4.4 (112)	1.1 (28)	1.31 (33)	1"	0.0159 (0.0602)	0.281 (0.0261)	5.5 (2.5)	0.02 (0.06)	0.3 (0.03)	5.5 (2.5)
BP410-20 LP	9.84 (250)	12.2 (310)	1.97 (50)	4.4 (112)	1.1 (28)	2.28 (58)	1"	0.0159 (0.0602)	0.281 (0.0261)	8.4 (3.81)	0.02 (0.06)	0.3 (0.03)	8.4 (3.81)
BP410-30 LP	9.84 (250)	12.2 (310)	1.97 (50)	4.4 (112)	1.1 (28)	3.25 (83)	1"	0.0159 (0.0602)	0.281 (0.0261)	11.3 (5.13)	0.02 (0.06)	0.3 (0.03)	11.3 (5.13)
BP411-10 LP	9.84 (250)	12.2 (310)	1.97 (50)	4.4 (112)	1.1 (28)	1.31 (33)	1"	0.0159 (0.0602)	0.280 (0.026)	5.5 (2.5)	0.02 (0.06)	0.3 (0.03)	5.5 (2.5)
BP411-20 LP	9.84 (250)	12.2 (310)	1.97 (50)	4.4 (112)	1.1 (28)	2.28 (58)	1"	0.0159 (0.0602)	0.280 (0.026)	8.4 (3.81)	0.02 (0.06)	0.3 (0.03)	8.4 (3.81)
BP411-30 LP	9.84 (250)	12.2 (310)	1.97 (50)	4.4 (112)	1.1 (28)	3.25 (83)	1"	0.0159 (0.0602)	0.280 (0.026)	11.3 (5.13)	0.02 (0.06)	0.3 (0.03)	11.3 (5.13)
BP412-20 LP	9.84 (250)	12.2 (310)	1.97 (50)	4.4 (112)	1.1 (28)	2.28 (58)	1"	0.0159 (0.0602)	0.281 (0.0261)	8.4 (3.81)	0.02 (0.06)	0.3 (0.03)	8.4 (3.81)
BP412-30 LP	9.84 (250)	12.2 (310)	1.97 (50)	4.4 (112)	1.1 (28)	3.25 (83)	1"	0.0159 (0.0602)	0.281 (0.0261)	11.3 (5.13)	0.02 (0.06)	0.3 (0.03)	11.3 (5.13)

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

To learn more about heat exchangers:



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