

JOB:
REPRESENTATIVE:

UNIT TAG:

ORDER NUMBER:

DATE:

ENGINEER:

SUBMITTED BY:

DATE:

CONTRACTOR:

APPROVED BY:

DATE:



Type BPX™

Brazed Plate Heat Exchanger

For Residential Applications

DESCRIPTION

Bell & Gossett 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.

OPERATING DATA

COVER PLATES: Stainless Steel ASTM 316L

CHANNEL PLATES: Stainless Steel ASTM 316L

BRAZING MATERIAL: Copper

CONNECTIONS: From 3/4" to 1" Stainless Steel ASTM 316L

CAPACITY: Up to 52 GPM

CONSTRUCTION CODES: UL, CRN, ASME Code Stamp Option

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

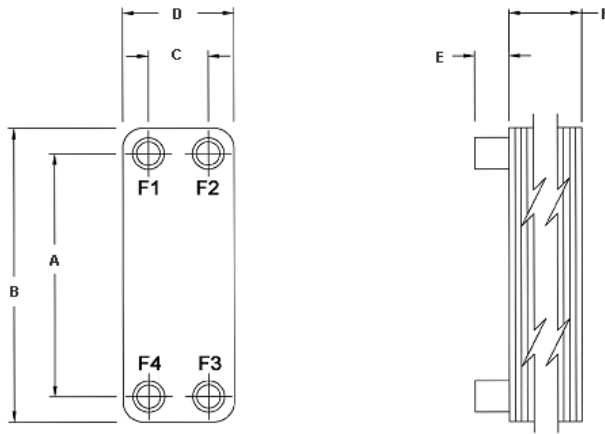
TECHNICAL DATA (Standard Design)

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

DESCRIPTION

MODEL NUMBER	PART NUMBER	# OF PLATES	TAGGING INFORMATION	QUANTITY
BP400-10	5-686-02-010-002	10		
BP400-20	5-686-02-020-002	20		
BP400-30	5-686-02-030-002	30		
BP400-40	5-686-02-040-002	40		
BP410-30	5-686-04-030-002	30		
BP411-20	5-686-04-020-003	20		
BP411-30	5-686-04-030-003	30		
BP412-20	5-686-04-020-004	20		
BP412-30	5-686-04-030-004	30		
BP412-40	5-686-04-040-004	40		
BP412-50	5-686-04-050-004	50		

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	G	H	J					
BP400-10	6.8 (172)	8.2 (208)	1.7 (42)	3.1 (79)	1.0 (24)	1.21 (31)	3/4"	0.01 (0.03)	0.13 (0.01)	3 (1.4)	0.01 (0.03)	0.13 (0.01)	2.8 (1.27)	
BP400-20	6.8 (172)	8.2 (208)	1.7 (42)	3.1 (79)	1.0 (24)	2.02 (51)	3/4"	0.01 (0.03)	0.13 (0.01)	3.5 (1.6)	0.01 (0.03)	0.13 (0.01)	4.1 (1.86)	
BP400-30	6.8 (172)	8.2 (208)	1.7 (42)	3.1 (79)	1.0 (24)	2.83 (72)	3/4"	0.01 (0.03)	0.13 (0.01)	4 (1.8)	0.01 (0.03)	0.13 (0.01)	5.4 (2.45)	
BP400-40	6.8 (172)	8.2 (208)	1.7 (42)	3.1 (79)	1.0 (24)	3.64 (92)	3/4"	0.01 (0.03)	0.13 (0.01)	7 (3.2)	0.01 (0.03)	0.13 (0.01)	6.7 (3.04)	
BP410-30	9.8 (250)	12.2 (310)	2.0 (50)	4.4 (112)	1.0 (24)	3.22 (82)	1"	0.02 (0.06)	0.3 (0.03)	9 (4.1)	0.02 (0.06)	0.3 (0.03)	5.5 (2.5)	
BP411-20	9.8 (250)	12.2 (310)	2.0 (50)	4.4 (112)	1.0 (24)	2.28 (58)	1"	0.02 (0.06)	0.3 (0.03)	7 (3.2)	0.02 (0.06)	0.3 (0.03)	8.4 (3.81)	
BP411-30	9.8 (250)	12.2 (310)	2.0 (50)	4.4 (112)	1.0 (24)	3.22 (82)	1"	0.02 (0.06)	0.3 (0.03)	9 (4.1)	0.02 (0.06)	0.3 (0.03)	11.3 (5.13)	
BP412-20	9.8 (250)	12.2 (310)	2.0 (50)	4.4 (112)	1.0 (24)	2.28 (58)	1"	0.02 (0.06)	0.3 (0.03)	7 (3.2)	0.02 (0.06)	0.3 (0.03)	5.5 (2.5)	
BP412-30	9.8 (250)	12.2 (310)	2.0 (50)	4.4 (112)	1.0 (24)	3.22 (82)	1"	0.02 (0.06)	0.3 (0.03)	9 (4.1)	0.02 (0.06)	0.3 (0.03)	8.4 (3.81)	
BP412-40	9.8 (250)	12.2 (310)	2.0 (50)	4.4 (112)	1.0 (24)	4.16 (106)	1"	0.02 (0.06)	0.3 (0.03)	11 (5)	0.02 (0.06)	0.3 (0.03)	11.3 (5.13)	
BP412-50	9.8 (250)	12.2 (310)	2.0 (50)	4.4 (112)	1.0 (24)	5.10 (130)	1"	0.02 (0.06)	0.3 (0.03)	13 (5.9)	0.02 (0.06)	0.3 (0.03)	8.4 (3.81)	
BP412-30 MT	9.8 (250)	12.2 (310)	2.0 (50)	4.4 (112)	1.0 (24)	3.22 (82)	5.4 (137)	4.2 (106)	0.4 (10)	1"	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.



Xylem Inc.
 8200 N. Austin Avenue
 Morton Grove, IL 60053
 Tel: (847) 966-3700 Fax: (847) 965-8379
 www.xylem.com/bellgossett

Xylem and Bell & Gossett are registered trademarks of Xylem Inc. or one of its subsidiaries.
 All other trademarks or registered trademarks are property of their respective owners.
 © 2023 Xylem C-327C September 2023

To learn more about heat exchangers:

