

JOB:
REPRESENTATIVE:

 UNIT TAG:
 ENGINEER:
 CONTRACTOR:

 ORDER NUMBER:
 SUBMITTED BY:
 APPROVED BY:

 DATE:
 DATE:
 DATE:


Type Hydronic BPX™ Brazed Plate Heat Exchanger With Mounting Tabs

For Residential Applications

DESCRIPTION

Bell & Gossett type Hydronic BPX brazed plate heat exchangers offer a unique mounting system and the highest level of thermal efficiency and durability in a compact, low cost unit. The unique integral mounting tabs and connection locations allow for easy installation to any hydronic heating panel without the need or cost of a separate mounting bracket. 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 304L
 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.

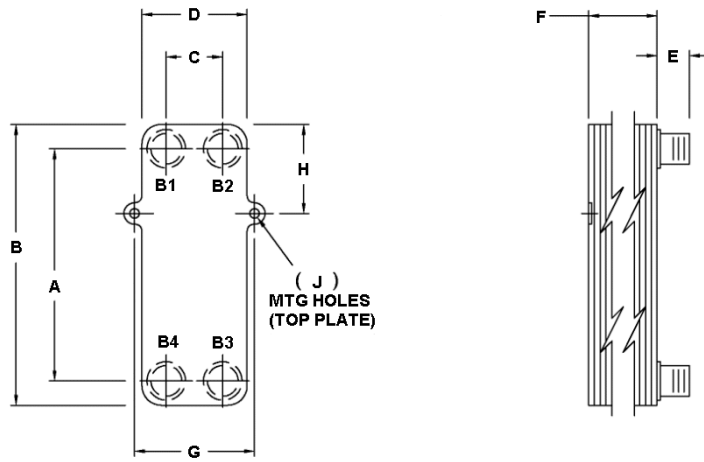
TECHNICAL DATA (Standard Design)

| 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 MT | 5-694-00-010-002 | 10 | | |
| BP400-20 MT | 5-694-00-020-007 | 20 | | |
| BP400-30 MT | 5-694-00-030-002 | 30 | | |
| BP400-40 MT | 5-694-00-040-005 | 40 | | |
| BP410-10 MT | 5-694-10-010-002 | 10 | | |
| BP410-20 MT | 5-694-10-020-002 | 20 | | |
| BP410-30 MT | 5-694-10-030-004 | 30 | | |
| BP411-10 MT | 5-694-11-010-001 | 10 | | |
| BP411-20 MT | 5-694-11-020-003 | 20 | | |
| BP411-30 MT | 5-694-11-030-001 | 30 | | |
| BP412-20 MT | 5-694-12-020-001 | 20 | | |
| BP412-30 MT | 5-694-12-030-001 | 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 | G | H | J | | | | |
| BP400-10 MT | 6.8 (172) | 8.2 (208) | 1.7 (42) | 3.1 (79) | 1.0 (24) | 1.21 (31) | 3.5 (89) | 2.6 (66) | 0.3 (7) | 3/4" | 0.01 (0.03) | 0.13 (0.01) | 2.8 (1.27) |
| BP400-20 MT | 6.8 (172) | 8.2 (208) | 1.7 (42) | 3.1 (79) | 1.0 (24) | 2.02 (51) | 3.5 (89) | 2.6 (66) | 0.3 (7) | 3/4" | 0.01 (0.03) | 0.13 (0.01) | 4.1 (1.86) |
| BP400-30 MT | 6.8 (172) | 8.2 (208) | 1.7 (42) | 3.1 (79) | 1.0 (24) | 2.83 (72) | 3.5 (89) | 2.6 (66) | 0.3 (7) | 3/4" | 0.01 (0.03) | 0.13 (0.01) | 5.4 (2.45) |
| BP400-40 MT | 6.8 (172) | 8.2 (208) | 1.7 (42) | 3.1 (79) | 1.0 (24) | 3.64 (92) | 3.5 (89) | 2.6 (66) | 0.3 (7) | 3/4" | 0.01 (0.03) | 0.13 (0.01) | 6.7 (3.04) |
| BP410-10 MT | 9.8 (250) | 12.2 (310) | 2.0 (50) | 4.4 (112) | 1.0 (24) | 1.34 (34) | 5.4 (137) | 4.2 (106) | 0.4 (10) | 1" | 0.02 (0.06) | 0.3 (0.03) | 5.5 (2.5) |
| BP410-20 MT | 9.8 (250) | 12.2 (310) | 2.0 (50) | 4.4 (112) | 1.0 (24) | 2.28 (58) | 5.4 (137) | 4.2 (106) | 0.4 (10) | 1" | 0.02 (0.06) | 0.3 (0.03) | 8.4 (3.81) |
| BP410-30 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) |
| BP411-10 MT | 9.8 (250) | 12.2 (310) | 2.0 (50) | 4.4 (112) | 1.0 (24) | 1.34 (34) | 5.4 (137) | 4.2 (106) | 0.4 (10) | 1" | 0.02 (0.06) | 0.3 (0.03) | 5.5 (2.5) |
| BP411-20 MT | 9.8 (250) | 12.2 (310) | 2.0 (50) | 4.4 (112) | 1.0 (24) | 2.28 (58) | 5.4 (137) | 4.2 (106) | 0.4 (10) | 1" | 0.02 (0.06) | 0.3 (0.03) | 8.4 (3.81) |
| BP411-30 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) |
| BP412-20 MT | 9.8 (250) | 12.2 (310) | 2.0 (50) | 4.4 (112) | 1.0 (24) | 2.28 (58) | 5.4 (137) | 4.2 (106) | 0.4 (10) | 1" | 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.



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