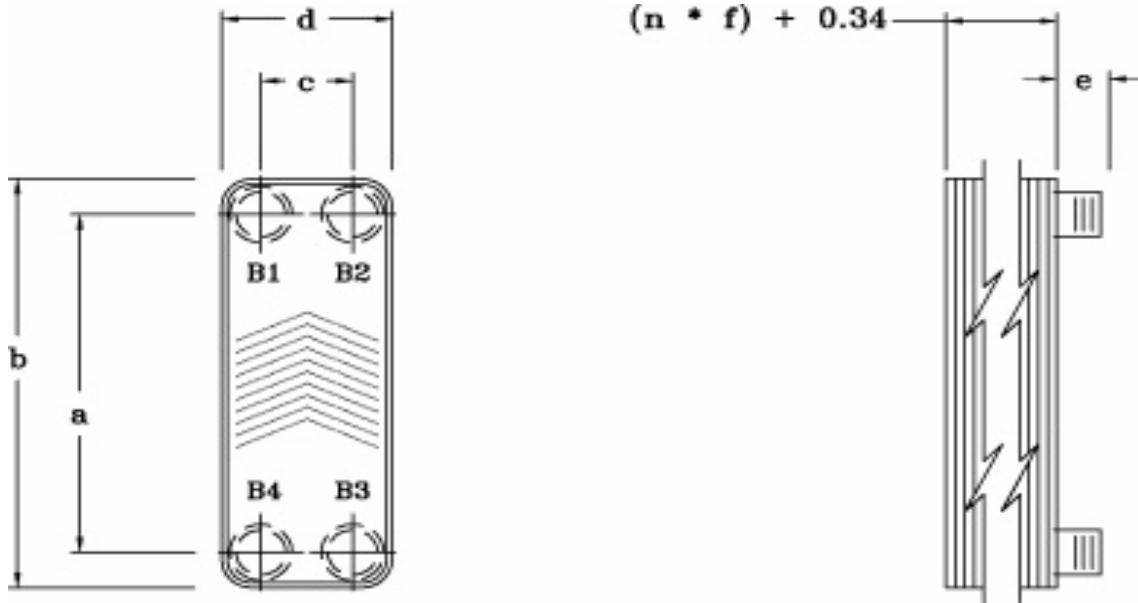


Low Pressure BP Specification



Model Type	a	b	c	d	e	f	Con- nection	Volume (Gal / channel)	Surface Area per plate ft. ²	Weight (lbs.)	Max No. Plates
BP400	6.77	8.2	1.65	3.1	0.95	0.081	3/4" MNPT	0.0076	0.126 ft	0.13 x n + 1.5	40
BP410	9.84	12.2	1.97	4.4	1.1	0.097	1" MNPT	0.0159	0.281 ft	0.29 x n + 2.6	30
BP411	9.84	12.2	1.97	4.4	1.1	0.097	1" MNPT	0.0159	0.280 ft	0.29 x n + 2.6	30
BP412	9.84	12.2	1.97	4.4	1.1	0.097	1" MNPT	0.0159	0.281 ft	0.29 x n + 2.6	30

Typical Connection Locations (Side-1: B1 & B4, Side-2: B2 & B3)

Sensible Application (liquids or gases - no phase change)

- For all models the B2 - B3 side has one extra channel, ie. BP 410-10 has 4 channels on the B1 - B4 side and 5 on the B2 - B3 side.
- Single Phase applications should be plumbed in a counter-current flow arrangement, unit mounting orientation is not critical. Typically the hot fluid would be on the B1 - B4 side and the cold fluid would be on the B2 - B3 side.

Phase Change Applications

- Units should be mounted in the vertical direction, similar to the figure above and plumbed with the vapor connection up and the liquid connection down on the phase change side see below.

Steam to Liquid:

Condensers	
Steam In:	B1
Condensate Out:	B4
Liquid In:	B3
Liquid Out:	B2

Standard Materials

Channel Plates: ASTM 316L stainless steel
 Connections: ASTM 304L stainless steel
 Brazing Material: Copper

Design Specifications Copper Braze

Design Pressure: 150 psig
 Design Temperature: 250 deg F max.
 -40 deg F min.