

FLUID COOLING | Brazed Plate BP Series

STAINLESS STEEL CONSTRUCTION

Features

- Stacked Plate
- Stainless Steel
- Copper Brazed
- Oil to Water Applications
- High Performance
- Compact Design
- NPT Connections
- Oil Cooling
- Solvent Condensing
- Water Cooling/Heating
- Refrigeration Service
- Gas to Gas
- Gas to Liquid
- Optional Nickel/Chrome Brazed Construction



ADDITIONAL MODELS AVAILABLE – please consult factory for more information

WATER COOLED BP

Ratings

Maximum Working Temperature 350° F at 450 psi*

Maximum Working Pressure 450 psi**

Test Pressure 600 psi

*Maximum working temperature can increase with derating of working pressure.

**Maximum working pressure can increase with a derating of working temperature.

Materials

Plate Material 316L Stainless Steel

Braze Material Copper – Standard
Nickel/Chrome – Optional

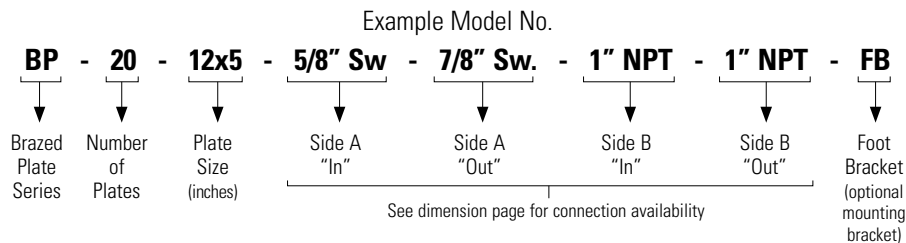
Stud Bolts 304 Stainless Steel

Front and Back Pressure Plates
304 Stainless Steel

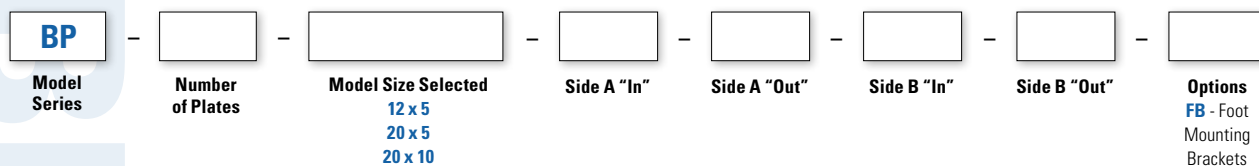
Connectors 304 Stainless Steel

Foot Mounting Brackets 304 Stainless Steel

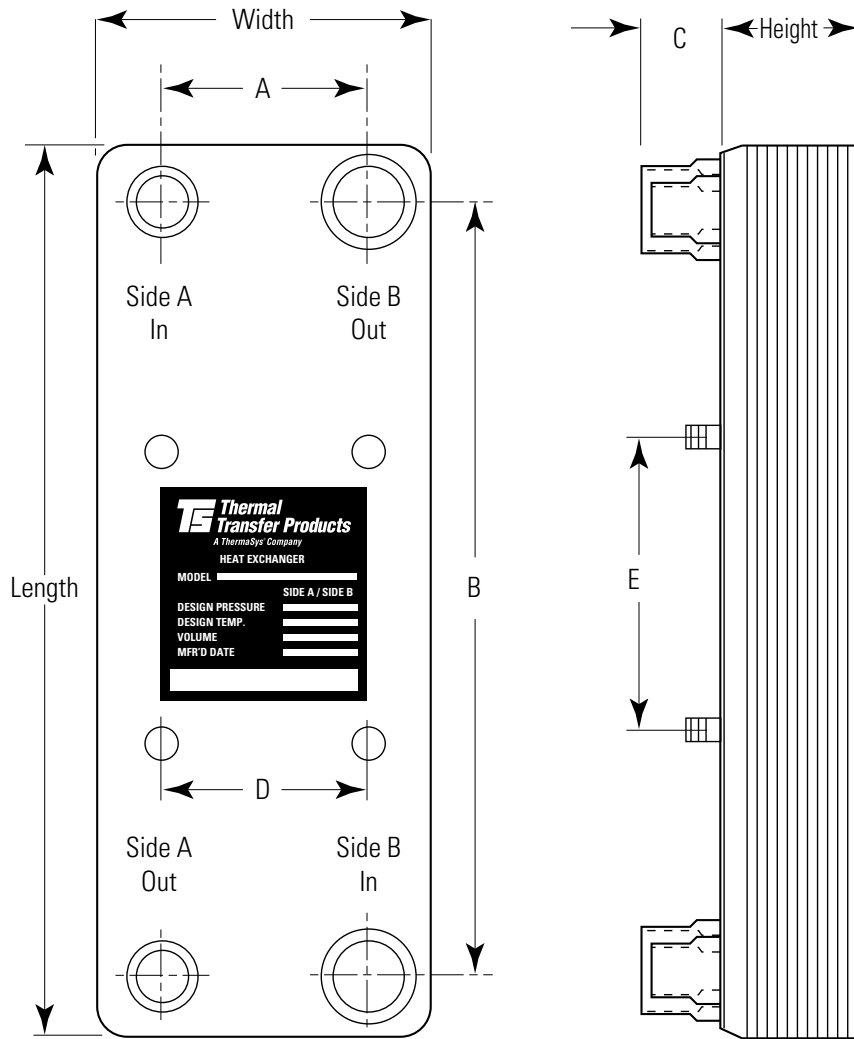
Model Coding



How to Order



Dimensions



Model	D	E
12 x 5	2.5"	3.5"
20 x 5	2.5"	5.5"
20 x 10	4.0"	5.5"

Model	Stud Bolt Length
12 x 5	3/8-16 x 7/8"
20 x 5	
20 x 10	1/2-13 x 1-1/8"

Connection Type	C Dimension
1/2, 5/8, 7/8 ID Sweat & 3/4" NPT	1.125"
1-1/8 ID Sweat & 1" NPT	1.250"
1-3/8 ID Sweat & 1-1/4" NPT	1.375"
1-5/8 ID Sweat & 1-1/2" NPT	1.500"
2-1/8 ID Sweat & 2" NPT	1.750"
2-5/8 ID Sweat & 2-1/2" NPT	2.000"

Model	Dimensions (in.)					Connections	Weight Approx. (lbs)
	L	W	H	A	B		
BP 12 x 5	12.2	4.9	.094 x #plates + .36	2.7	9.9	Sweat: 5/8", 7/8", 1-1/8", 1-3/8" ID Threaded: 3/4", 1", 1-1/4" NPT	.34 x #plates + 3.0
BP 20 x 5	20.3	5.0	.094 x #plates + .36	2.8	18.1	Sweat: 5/8", 7/8", 1-1/8", 1-3/8" ID Threaded: 1", 1-1/4" NPT	.52 x #plates + 4.2
BP 20 x 10	20.3	9.8	.094 x #plates + .36	6.5	17.0	Sweat: 7/8", 1-1/8", 1-3/8" 1-5/8" 2-1/8", 2-5/8" ID Threaded: 1-1/2", 2", 2-1/2" NPT	.80 x #plates + 9.8

Notes: When ordering, add description of all four connections (sweat or Male Pipe Thread MPT and size).
Some applications may require that the **In** and **Out** connections be reversed. Consult factory for recommendations.