

# SEEC

HEAT EXCHANGERS



**BRAZED PLATE  
HEAT EXCHANGERS**

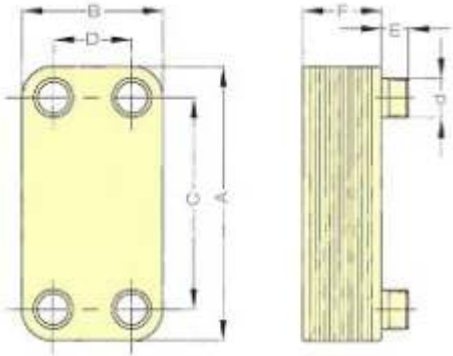
**Got Questions? Get Answers!**

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[www.brazedplate.com](http://www.brazedplate.com)

# SEC Brazed Plate Engineering Data

Brazed Plate Models	Dimensions (inches)					Plate Area (Sq.ft)	Channel Volume (USGAL)	Maximum Flow (GPM)	Maximum # of Plates (NP)	Weight (empty) (Lbs)
	A	B	C	D	F					
M14a	7.9	3.1	6.5	1.7	.36+.09np	0.15	0.006	18	50	1.5+0.1np
M31b	11.3	4.8	9.1	2.7	.36+.09np	0.33	0.012	50	100	3.1+0.3np
M110c	18.2	10.0	14.9	6.7	.39+.09np	1.18	0.043	89	200	11.2+.9np



**Technical Parameters Diagram**  
(for use with the above chart)



**Standard Connection Types:**  
Solder (sweat) - Threaded (NPT) - Flanged

## Material:

- Plates and Connections: AISI 316
- Brazing: Copper, Nickel

## Design Parameters:

- Maximum Working Pressure: 435 Psi (232 Psi\*)
- Maximum Working Temperature: copper brazed 437°F (401°F\*), nickel brazed: 752°F
- Minimum Working Temperature: copper brazed -319°F

\*(economic versions)

## Standard Connections

Heat Exchanger Type	Solder (sweat)		Threaded (NPT)		Flanges	
	d* (in)	E (in)	d (in)	E (in)	d (in)	E (in)
M14a	3/4"	3/4"	3/4" NPT (male)	7/8"	Flanged Connections Are available for the M-110c (custom order)	
M31b	1"	1 - 3/8	1" NPT (male)	1 - 1/8		
M110c	2"	1 - 1/4	2" NPT (male)	1 - 1/4"		



### Brazed Plate Heat Exchangers

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