

## SUBMITTAL SHEET

JOB NAME		ITEM TAG
JOB LOCATION		PART NUMBER
CONTRACTOR	DATE	
ENGINEER APPROVAL	DATE	

### BRAZED PLATE HEAT EXCHANGER

#### HX Series

High thermal efficiency.

Compatible with water, oil, glycol and organic solvents.

Ridges in the internal flow paths create turbulence to achieve maximum heat transfer.

#### Working Pressure, Non Shock (PSI)

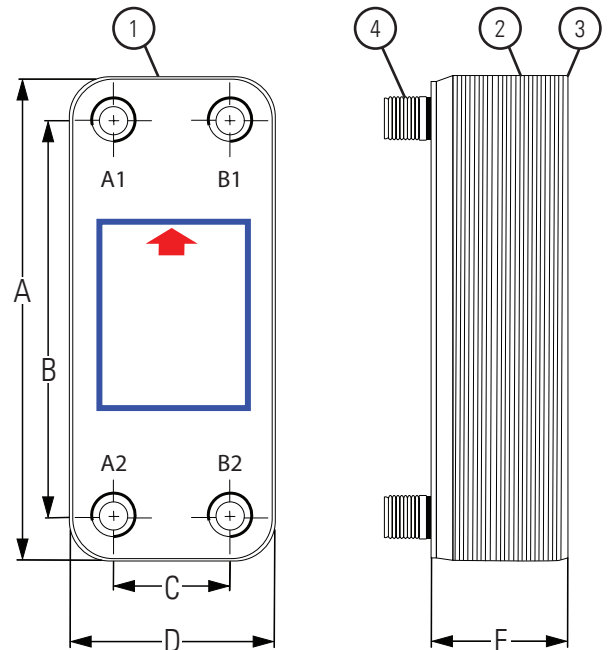
Cold working pressure (CWP): 302 F @ 435 psi



**Pictured:**  
Heat Exchanger

MATERIAL SPECIFICATION		
PART	MATERIAL	SPECIFICATION
1 Front cover plate	Stainless steel	SUS 304
2 Plate	Stainless steel/Copper Brazed	SUS 304 / 99.9% Cu
3 Rear cover plate	Stainless steel	SUS 304
4 NPT Connector	Stainless steel	SUS 304

DIMENSIONS - Inch						
Size	Model	A	B	C	D	E
3/4" / 1"	HX-100	12"	9-13/16"	2-3/4"	4-7/8"	1-3/8"
3/4" / 1"	HX-200	12"	9-13/16"	2-3/4"	4-7/8"	2-1/4"
3/4" / 1"	HX-300	12"	9-13/16"	2-3/4"	4-7/8"	3-1/4"
Compact Models						
3/4"	HX-100B	7-1/2"	6"	1-1/2"	3"	1-1/4"
3/4"	HX-160B	7-1/2"	6"	1-1/2"	3"	1-3/4"
3/4"	HX-200B	7-1/2"	6"	1-1/2"	3"	2-1/4"



**Pictured:**  
HX Heat  
Exchanger

#### Certifications/Listings:

Third-party certified.

UL SNHZ: Heat exchangers, Refrigerant.

UL SNHZ7: Heat exchangers, Refrigerant Certified for Canada.

Available at: 888-470-2757

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**FLOW RATE**

Heat Exchanger: Heat Source to Radiant Side (Btu/h)	Heat Source Side (Boiler)			Radiant Side		
	Temperature	Pressure Drop		Temperature	Pressure Drop	
	Drop $\Delta T = 30^{\circ}\text{F}$ GPM	Ft/Hd	PSI	Drop $\Delta T = 20^{\circ}\text{F}$ GPM	Ft/Hd	PSI
<b>HX-100 (10 Plate)</b>						
45,000	3.1	3.10	1.34	4.7	11.97	5.18
50,000	3.4	3.79	1.64	5.2	14.58	6.31
<b>HX-200 (20 Plate)</b>						
110,000	7.6	4.62	2.00	11.4	14.25	6.17
110,000	7.9	5.04	2.18	12.0	15.50	6.71
<b>HX-300 (30 Plate)</b>						
175,000	12.0	5.38	2.33	18.2	15.36	6.65
180,000	12.4	5.68	2.46	18.7	16.19	7.01
<b>HX-100B (10 Plate)</b>						
40,000	2.8	2.86	1.24	4.2	10.90	4.72
45,000	3.1	3.58	1.55	4.7	13.65	5.91
50,000	3.4	4.37	1.89	5.2	16.70	7.23
<b>HX-160B (16 Plate)</b>						
75,000	5.2	4.18	1.81	7.8	13.24	5.73
80,000	5.5	4.74	2.05	8.3	14.99	6.49
<b>HX-200B (20 Plate)</b>						
100,000	6.9	5.08	2.20	10.4	15.08	6.53
105,000	7.2	5.57	2.41	10.9	16.56	7.17

Heat Source Side Fluid = Water @ 165°F mean

Radiant Side Fluid = 30% Propylene Glycol in Water @ 125°F mean

The Heat Exchanger numbers are maximum for each model. A larger Heat Exchanger is usually recommended to minimize pressure drop at lower flow rates.

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