

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)

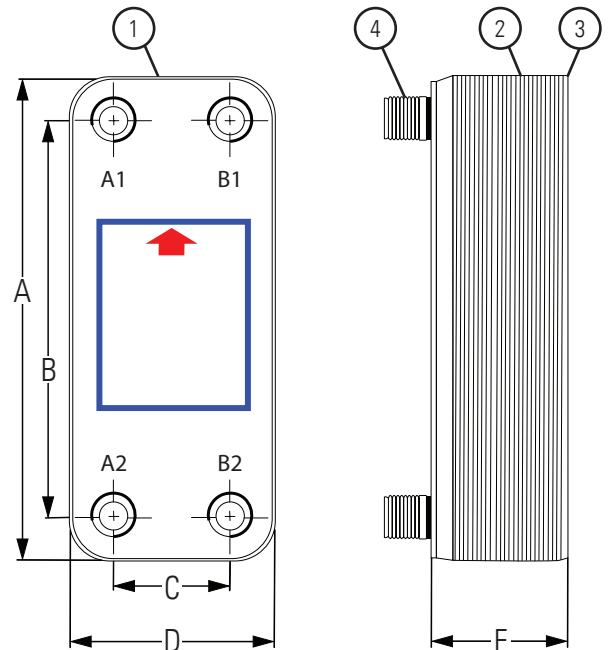
Cold working pressure (CWP): 302 F @ 435 psi



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.

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
HX-100 (10 Plate)						
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
HX-200 (20 Plate)						
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
HX-300 (30 Plate)						
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
HX-100B (10 Plate)						
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
HX-160B (16 Plate)						
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
HX-200B (20 Plate)						
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.