

## SUBMITTAL SHEET

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

# DOUBLE WALL 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.

Double walled plates allow liquid to seep through the air gap should an internal leak occur.

### Working Pressure, Non Shock (PSI)

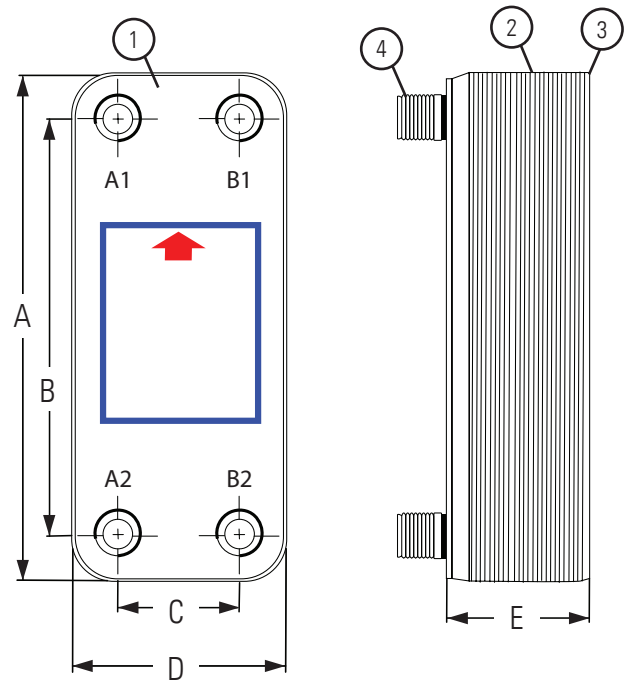
Cold working pressure (CWP): 302 F @ 435 psi



**Pictured:**  
Double Wall 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 - Inches						
Size	Model	A	B	C	D	E
3/4"	140DW	12"	9-7/8"	2-3/4"	5"	1-7/8"
3/4"	380DW	12"	9-7/8"	2-3/4"	5"	4-1/4"
Compact Models						
3/4"	140BDW	8"	6-1/8"	1-7/8"	3-5/8"	1-5/8"
3/4"	200BDW	8"	6-1/8"	1-7/8"	3-5/8"	2-1/4"
3/4"	240BDW	8"	6-1/8"	1-7/8"	3-5/8"	2-5/8"



**Pictured:**  
Double Wall 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
<b>140DW (14 Plate)</b>						
55,000	3.8	3.83	1.66	5.7	12.98	5.62
60,000	4.1	4.53	1.96	6.2	15.32	6.63
<b>380DW (38 Plate)</b>						
175,000	12.0	5.50	2.38	18.2	15.27	6.61
180,000	12.4	12.40	2.51	18.7	16.10	6.97
<b>140BDW (14 Plate)</b>						
50,000	3.4	3.0	1.3	5.3	9.98	4.32
55,000	3.8	3.6	1.56	5.7	11.97	5.18
<b>200BDW (20 Plate)</b>						
80,000	5.5	4.04	1.75	8.3	12.08	5.23
85,000	5.8	4.53	1.96	8.8	13.58	5.88
<b>240BDW (24 Plate)</b>						
100,000	6.9	4.69	2.03	10.4	13.44	5.82
105,000	7.2	5.15	2.23	10.9	14.76	6.39

Heat Source Side Fluid = Water @ 165°F mean

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

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