

Technical Specifications - VAU Blockbuster VM 85

Brazed Plate Heat Exchanger:

VM 85 / ...



Fittings are available for threaded (NPT and BSPP), sweat (solder), and ProPress.
Male NPT 2 inch is standard for both primary and secondary port connections.

1. Materials	
Plates	:AISI 316L SS
Connectors/Fittings	:AISI 316L SS
Brazing	:Copper 99.9%
Product Label	:Temp. Resistant Material

2. Operating Conditions	
Environ. temp. range	
- in operation	40...105°F
- in transport/storage	-40...180°F
Max. allowed pressure:	435 psi
Test pressure:	652 psi
Min. allowed temp.:	14°F
Max. allowed temp.:	+383°F
Max. delta T prim/sec:	302°F

3. Safety Standard Compliance	
(To the extent that the product is used in an application corresponding to these standards.)	
DIN = German National Standards (Deutsches Institut für Normung e.V.)	
DIN 4751 - Mechanical Safety Equipment for Hot Water Heating Systems	
DIN 4753 - Water Heaters/Heating Installations for Drinking & Service Water	
DIN 1988 (parts 1-7) - Tech. Regulations for Drinking Water Installations	

4. Design Specifications									
Plate count	Int. Volumes (gal.)		Dimensions (inches)					Weight (empty) (lbs)	Surface Area sq. ft.
	primary	second.	Depth	Width		Height			
	L	B	b	H	h				
30	0.96	1.03	3.50	10.67	7.80	20.94	18.11	47.22	45.21
40	1.30	1.37	4.41	10.67	7.80	20.94	18.11	56.48	61.35
50	1.65	1.72	5.31	10.67	7.80	20.94	18.11	65.74	77.50
60	1.99	2.06	6.22	10.67	7.80	20.94	18.11	75.00	93.65
70	2.34	2.40	7.13	10.67	7.80	20.94	18.11	84.26	109.79
80	2.68	2.75	8.03	10.67	7.80	20.94	18.11	93.52	125.94
90	3.02	3.09	8.94	10.67	7.80	20.94	18.11	102.78	142.08
100	3.37	3.43	9.84	10.67	7.80	20.94	18.11	112.04	158.23
110	3.71	3.78	10.75	10.67	7.80	20.94	18.11	121.30	174.37
120	4.05	4.12	11.65	10.67	7.80	20.94	18.11	130.56	190.52
130	4.40	4.46	12.56	10.67	7.80	20.94	18.11	139.82	206.67
140	4.74	4.81	13.46	10.67	7.80	20.94	18.11	149.08	222.81
150	5.08	5.15	14.37	10.67	7.80	20.94	18.11	158.34	238.96
180	6.11	6.18	17.09	10.67	7.80	20.94	18.11	186.11	287.40
200	6.80	6.87	18.90	10.67	7.80	20.94	18.11	204.63	319.69

