

Technical Specifications - VAU Blockbuster VM 15

Brazed Plate Heat Exchanger

VM 15 / ...



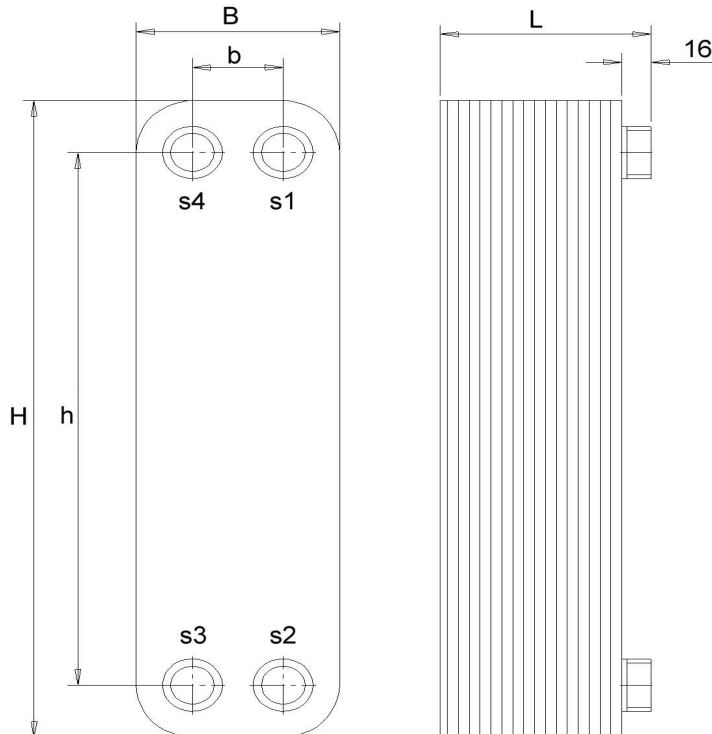
Fittings are available for threaded (NPT and BSPP), sweat (solder), and ProPress. Male NPT 3/4 inch is standard for both primary and secondary port connections.

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 (ounces)		Dimensions (inches)					Weight (empty) (lbs)	Surface Area (sq. ft.)
	primary	second.	Depth L	Width B b		Height H h			
10	3.52	4.40	1.69	2.87	1.65	7.95	6.77	2.43	1.29
20	7.91	8.79	2.60	2.87	1.65	7.95	6.77	3.53	2.91
30	12.31	13.19	3.50	2.87	1.65	7.95	6.77	4.41	4.52
40	16.70	17.58	4.41	2.87	1.65	7.95	6.77	5.29	6.14



Technical Specifications - VAU Blockbuster VM 30

Brazed Plate Heat Exchanger

VM 30 / ...



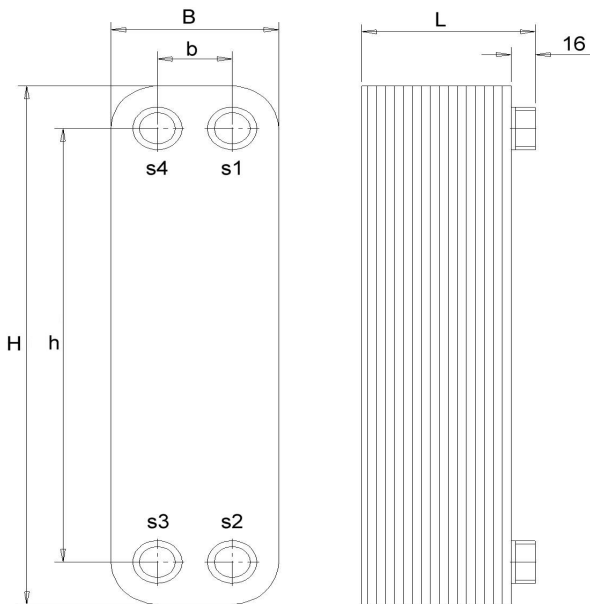
Fittings are available for threaded (NPT and BSPP), sweat (solder), and ProPress.
Male NPT 1 inch is standard for both primary and secondary port connections.

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 (ounces)		Dimensions (inches)					Weight (empty)	Surface Area
	primary	second.	Depth L	Width B b		Height H h		(lbs)	sq. ft.
6	3.52	5.27	1.33	4.17	1.97	12.05	9.84	4.75	1.51
8	5.27	7.03	1.51	4.17	1.97	12.05	9.84	5.15	2.26
10	7.03	8.79	1.69	4.17	1.97	12.05	9.84	5.56	3.01
14	10.55	12.31	2.06	4.17	1.97	12.05	9.84	6.36	4.52
16	12.31	14.07	2.24	4.17	1.97	12.05	9.84	6.76	5.27
18	14.07	15.82	2.42	4.17	1.97	12.05	9.84	7.16	6.03
20	15.82	17.58	2.60	4.17	1.97	12.05	9.84	7.56	6.78
24	19.34	21.10	2.96	4.17	1.97	12.05	9.84	8.36	8.29
30	24.62	26.37	3.50	4.17	1.97	12.05	9.84	9.57	10.55
40	33.41	35.17	4.41	4.17	1.97	12.05	9.84	11.57	14.32
50	42.20	43.96	5.31	4.17	1.97	12.05	9.84	13.58	18.08
60	50.99	52.75	6.22	4.17	1.97	12.05	9.84	15.59	21.85
80	68.57	70.33	8.03	4.17	1.97	12.05	9.84	19.60	29.39



Technical Specifications - VAU Blockbuster VM 55

Brazed Plate Heat Exchanger



VM 55 / ...

Fittings are available for threaded (NPT and BSPP), sweat (solder), and ProPress.

Male NPT 1 inch is standard on the primary port connections.

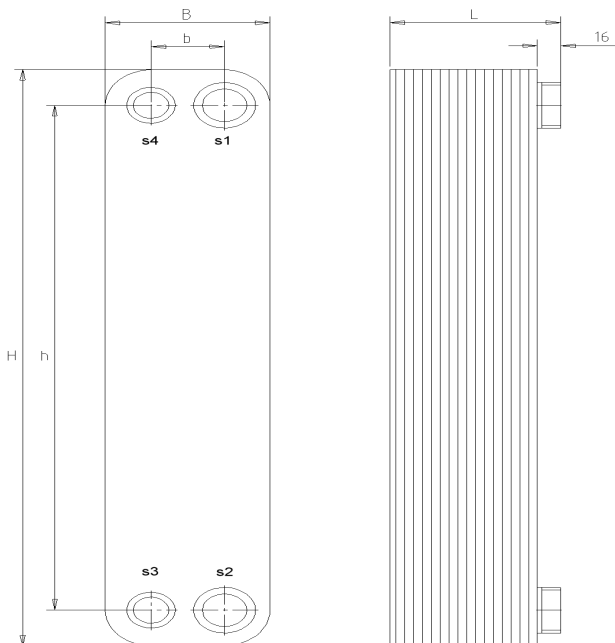
Male NPT 1 1/4 inch is standard on the secondary port connections.

1. Material	
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 (ounces)		Dimensions (inches)					Weight (empty) (lbs)	Surface Area (sq. ft.)
	primary	second.	Depth L	Width B b		Height H h			
6	7.98	11.97	1.33	4.17	1.97	20.47	18.35	11.24	2.37
8	11.97	15.96	1.51	4.17	1.97	20.47	18.35	11.90	3.55
10	15.96	19.95	1.69	4.17	1.97	20.47	18.35	12.79	4.74
14	23.94	27.93	2.06	4.17	1.97	20.47	18.35	14.33	7.10
20	35.91	39.90	2.60	4.17	1.97	20.47	18.35	16.76	10.66
24	43.89	47.88	2.96	4.17	1.97	20.47	18.35	18.08	13.02
26	47.88	51.87	3.14	4.17	1.97	20.47	18.35	18.74	14.20
30	55.86	59.85	3.50	4.17	1.97	20.47	18.35	20.50	16.58
34	63.84	67.83	3.87	4.17	1.97	20.47	18.35	21.83	18.95
40	75.81	79.80	4.41	4.17	1.97	20.47	18.35	24.47	22.50
50	95.76	99.75	5.31	4.17	1.97	20.47	18.35	28.22	28.42
60	115.71	119.70	6.22	4.17	1.97	20.47	18.35	31.97	34.34
80	155.61	159.60	8.03	4.17	1.97	20.47	18.35	39.68	46.18
100	195.51	199.50	9.84	4.17	1.97	20.47	18.35	47.40	58.02



Technical Specifications - VAU Blockbuster VM 60

Brazed Plate Heat Exchanger

VM 60 / ...



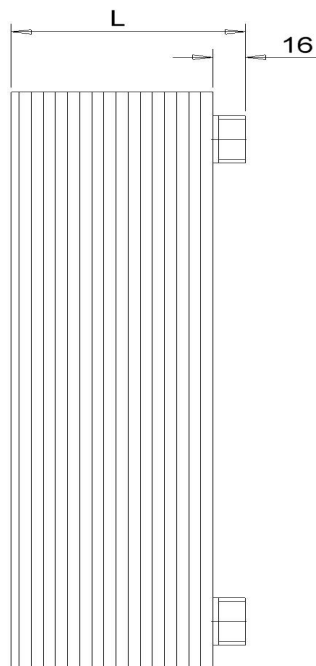
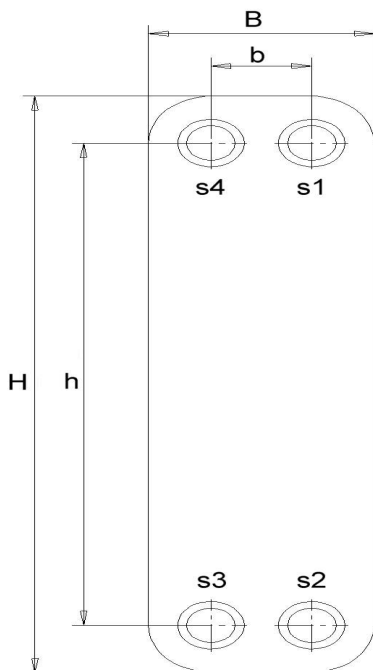
Fittings are available for threaded (NPT and BSPP), sweat (solder), and ProPress.
Male NPT 1 1/4 inch is standard for both the primary and secondary port connections.

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 (ounces)		Dimensions (inches)					Weight (empty) (lbs)	Surface Area (sq. ft.)	
	primary	second.	Depth		Width		Height			
			L	B	b	H	h			
6	8.52	12.78	1.33	4.88	2.72	20.94	18.74	11.68	2.87	
8	12.78	17.04	1.51	4.88	2.72	20.94	18.74	12.57	4.26	
10	17.04	21.30	1.69	4.88	2.72	20.94	18.74	13.45	5.68	
14	25.56	29.82	2.06	4.88	2.72	20.94	18.74	15.21	8.53	
20	38.35	42.61	2.60	4.88	2.72	20.94	18.74	17.86	12.79	
24	46.87	51.13	2.96	4.88	2.72	20.94	18.74	19.62	15.63	
30	59.65	63.91	3.50	4.88	2.72	20.94	18.74	22.27	19.89	
40	80.95	85.21	4.41	4.88	2.72	20.94	18.74	26.68	27.00	
50	102.25	106.51	5.31	4.88	2.72	20.94	18.74	31.09	34.10	
60	123.56	127.82	6.22	4.88	2.72	20.94	18.74	35.49	41.20	
80	166.16	170.42	8.03	4.88	2.72	20.94	18.74	44.31	55.41	
100	208.77	213.03	9.84	4.88	2.72	20.94	18.74	53.13	69.62	



Technical Specifications - VAU Blockbuster VM 85

Brazed Plate Heat Exchanger:

VM 85 / ...



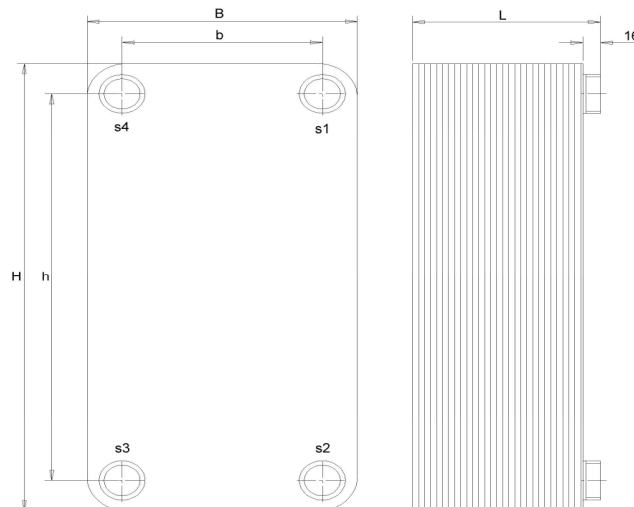
Fittings are available for threaded (NPT and BSPP), sweat (solder), and ProPress.
Male NPT 2 inch is standard for both primary and secondary port connections.

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 L	Width		Height			
				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



Technical Specifications - VAU Blockbuster VM 85 Flanged

Brazed Plate Heat Exchanger:

VM 85 / ...

Fittings are DN 50 flange.

Standard fittings are DN 50 DIN 2656.



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 L	Width B b		Height H h			
30	0.96	1.03	7.05	10.67	7.80	20.94	18.11	75.44	45.21
40	1.30	1.37	7.95	10.67	7.80	20.94	18.11	84.70	61.35
50	1.65	1.72	8.86	10.67	7.80	20.94	18.11	93.96	77.50
60	1.99	2.06	9.76	10.67	7.80	20.94	18.11	103.22	93.65
70	2.34	2.40	10.67	10.67	7.80	20.94	18.11	112.48	109.79
80	2.68	2.75	11.57	10.67	7.80	20.94	18.11	121.74	125.94
90	3.02	3.09	12.48	10.67	7.80	20.94	18.11	131.00	142.08
100	3.37	3.43	13.39	10.67	7.80	20.94	18.11	140.26	158.23
110	3.71	3.78	14.29	10.67	7.80	20.94	18.11	149.52	174.37
120	4.05	4.12	15.20	10.67	7.80	20.94	18.11	158.78	190.52
130	4.40	4.46	16.10	10.67	7.80	20.94	18.11	168.04	206.67
140	4.74	4.81	17.01	10.67	7.80	20.94	18.11	177.30	222.81
150	5.08	5.15	17.91	10.67	7.80	20.94	18.11	186.56	238.96
180	6.11	6.18	20.63	10.67	7.80	20.94	18.11	214.33	287.40
200	6.80	6.87	22.44	10.67	7.80	20.94	18.11	232.85	319.69

