

VSA STEAM						
Same End Supply/Return						
MODEL	STEAM PRESSURE (P.S.I.G.)	STEAM CAPACITY (BTU/HR)*	POUNDS CONDENSATE/ HOUR	ENTERING AIR TEMP. (E.A.T.) °F	TEMP. RISE (°F)	LEAVING AIR TEMP. (L.A.T.) °F
VSA1036S	5	56,843	59.2	65	35	100
VSA1042S	5	62,797	65.3	65	36	101
VSA1048S	5	67,278	70.0	65	39	104
VSA1060S	5	76,617	79.7	65	45	110
VSA2060S	5	107,149	111.5	65	34	99
VSA2072S	5	113,679	118.3	65	35	100
VSA2078S	5	119,684	124.5	65	36	101
VSA2084S	5	125,583	130.7	65	36	101
VSA2096S	5	136,562	142.1	65	39	104
VSA3096S	5	159,525	166.0	65	34	99
VSA2108S	5	200,456	208.6	65	59	124
VSA3108S	5	170,492	177.4	65	35	100
VSA2120S	5	146,526	152.5	65	44	109
VSA3120S	5	182,457	189.9	65	36	101
VSA3132S	5	192,916	200.8	65	37	102
VSA3144S	5	201,755	210.0	65	39	104
VSA4144S	5	227,261	236.5	65	35	100

VSB STEAM						
Same End Supply/Return						
MODEL	STEAM PRESSURE (P.S.I.G.)	STEAM CAPACITY (BTU/HR)*	POUNDS CONDENSATE/ HOUR	ENTERING AIR TEMP. (E.A.T.) °F	TEMP. RISE (°F)	LEAVING AIR TEMP. (L.A.T.) °F
VSB1036S	5	87,418	91.0	65	34	99
VSB1042S	5	96,429	100.3	65	35	100
VSB1048S	5	104,268	108.5	65	38	103
VSB1060S	5	97,573	101.5	65	37	102
VSB2060S	5	163,341	170.0	65	33	98
VSB2072S	5	174,811	181.9	65	34	99
VSB2078S	5	183,916	191.4	65	35	100
VSB2084S	5	192,820	200.7	65	35	100
VSB2096S	5	211,774	220.4	65	38	103
VSB3096S	5	245,013	255.0	65	33	98
VSB2108S	5	178,394	185.6	65	33	98
VSB3108S	5	262,130	272.8	65	34	99
VSB2120S	5	186,113	193.7	65	35	100
VSB3120S	5	280,243	291.6	65	35	100
VSB3132S	5	297,056	309.1	65	36	101
VSB3144S	5	312,544	325.2	65	38	103
VSB4144S	5	349,308	363.5	65	33	98

Performance based on 65°F Entering Air Temperature (E.A.T.) and 5# Steam*

* For other steam pressures - see chart on reverse side.

Berner recommends that maximum Leaving Air Temperature (L.A.T.) not exceed 120°F.

Consult factory for opposite end supply/return data.

Opposite end supply/return required for all vertically mounted units.

Berner reserves the right to alter specifications without prior notice.

Constants For Obtaining Temperature Rise At Various Steam Pressures & Inlet Temperatures

STEAM PRESSURES IN POUNDS PER SQUARE INCH (GAUGE)

ENTERING AIR TEMPERATURE °F	0	2	5	10	15	20	30	40	50	60	80	100	125	150	175	200
-30	1.54	1.59	1.64	1.71	1.78	1.84	1.94	2.02	2.10	2.16	2.25	2.34	2.44	2.52	2.59	2.67
-20	1.48	1.52	1.57	1.65	1.72	1.77	1.87	1.95	2.02	2.08	2.19	2.28	2.37	2.46	2.53	2.59
-10	1.41	1.45	1.51	1.59	1.65	1.71	1.81	1.89	1.96	2.02	2.12	2.21	2.31	2.39	2.46	2.53
00	1.35	1.39	1.45	1.54	1.59	1.65	1.74	1.82	1.89	1.96	2.06	2.15	2.25	2.33	2.40	2.47
10	1.28	1.33	1.38	1.46	1.52	1.58	1.68	1.76	1.83	1.89	2.00	2.09	2.18	2.26	2.34	2.40
20	1.22	1.26	1.31	1.40	1.46	1.52	1.62	1.70	1.77	1.83	1.93	2.02	2.12	2.20	2.27	2.34
30	1.16	1.20	1.25	1.33	1.40	1.46	1.55	1.63	1.70	1.76	1.87	1.96	2.05	2.14	2.21	2.28
40	1.09	1.14	1.19	1.27	1.33	1.39	1.49	1.57	1.64	1.70	1.81	1.89	1.99	2.07	2.15	2.22
45	1.06	1.10	1.16	1.24	1.30	1.36	1.46	1.54	1.61	1.67	1.77	1.86	1.96	2.04	2.12	2.18
50	1.03	1.07	1.13	1.21	1.27	1.33	1.42	1.51	1.58	1.64	1.74	1.83	1.93	2.01	2.08	2.15
55	1.00	1.04	1.10	1.17	1.24	1.30	1.39	1.47	1.54	1.61	1.71	1.80	1.89	1.98	2.05	2.12
60	0.97	1.01	1.06	1.14	1.21	1.26	1.36	1.44	1.51	1.57	1.68	1.77	1.86	1.95	2.02	2.09
65	0.93	0.98	1.03	1.11	1.17	1.23	1.33	1.41	1.48	1.54	1.65	1.74	1.83	1.91	1.99	2.05
70	0.90	0.95	1.00	1.08	1.14	1.20	1.30	1.38	1.45	1.51	1.62	1.70	1.80	1.88	1.96	2.02
75	0.87	0.91	0.97	1.05	1.11	1.17	1.27	1.35	1.42	1.48	1.59	1.67	1.77	1.85	1.92	1.99
80	0.84	0.88	0.94	1.01	1.08	1.14	1.24	1.32	1.39	1.45	1.55	1.64	1.74	1.82	1.89	1.96
85	0.81	0.85	0.90	0.98	1.05	1.11	1.20	1.28	1.35	1.41	1.52	1.61	1.71	1.79	1.86	1.93
90	0.78	0.82	0.87	0.95	1.02	1.07	1.17	1.25	1.32	1.38	1.49	1.58	1.67	1.76	1.83	1.89
100	0.71	0.75	0.81	0.89	0.95	1.00	1.11	1.19	1.26	1.32	1.42	1.51	1.61	1.69	1.77	1.83
110	0.65	0.69	0.75	0.82	0.89	0.95	1.04	1.12	1.20	1.26	1.36	1.45	1.55	1.63	1.70	1.77
120	0.59	0.63	0.68	0.76	0.83	0.88	0.98	1.06	1.13	1.19	1.30	1.40	1.48	1.56	1.64	1.71
140	0.46	0.50	0.55	0.63	0.70	0.76	0.85	0.93	1.00	1.07	1.17	1.26	1.35	1.44	1.51	1.58
160	0.33	0.37	0.43	0.50	0.57	0.63	0.73	0.81	0.88	0.94	1.04	1.13	1.23	1.31	1.38	1.45
180	0.20	0.24	0.30	0.38	0.44	0.50	0.60	0.68	0.75	0.81	0.91	1.00	1.10	1.18	1.26	1.32
200	0.08	0.12	0.17	0.25	0.32	0.37	0.47	0.55	0.62	0.68	0.79	0.88	0.97	1.06	1.13	1.20

$$T = T^{\circ} + \Delta t \times C$$

T = Temperature at exit

T[°] = Temperature at intake

Δ t = Temperature rise from data sheet

C = Constant from above table