

500.00 ATMOSPHERE ISOBAR

TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K	TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K
* 95.888	36.7399		4290.1	2911.1	95	36.7274	4294.8	2915.3	53.65
96	36.6164		4336.2	2952.6	97	36.5053	4377.7	2989.9	54.08
98	36.3943		4419.3	3027.2	99	36.2832	4460.9	3064.5	54.93
100					100				55.35
101	36.1722		4502.5	3101.8	101	36.0612	4544.1	3139.1	55.76
102	36.0612		4544.1	3139.1	102	35.9503	4585.6	3176.4	56.17
103	35.9503		4627.2	3213.5	103	35.8394	4627.2	3213.5	56.58
104	35.8394		4668.6	3250.6	104	35.7287	4668.6	3250.6	56.98
105	35.7287		4710.1	3287.6	105	35.6180	4710.1	3287.6	57.38
106	35.6180		4751.4	3324.5	106	35.5074	4751.4	3324.5	57.77
107	35.5074		4792.7	3361.3	107	35.3969	4792.7	3361.3	58.16
108	35.3969		4833.8	3398.0	108	35.2865	4833.8	3398.0	58.54
109	35.2865		4874.8	3434.6	109	35.1762	4874.8	3434.6	58.92
110	35.1762				110				59.30
111	35.0661		4915.8	3471.0	111	34.9561	4956.6	3507.2	59.67
112	34.9561		4997.2	3543.3	112	34.8461	4997.2	3543.3	60.03
113	34.8461		5078.1	3614.9	113	34.7364	5037.7	3579.2	60.39
114	34.7364		5118.3	3650.5	114	34.6267	5078.1	3614.9	60.75
115	34.6267		5158.4	3685.9	115	34.5172	5118.3	3650.5	61.10
116	34.5172		5198.3	3721.1	116	34.4078	5158.4	3685.9	61.45
117	34.4078		5238.0	3756.2	117	34.2985	5198.3	3721.1	61.80
118	34.2985		5277.6	3791.0	118	34.1893	5238.0	3756.2	62.14
119	34.1893				119	34.0803	5277.6	3791.0	62.47
120	34.0803				120				62.80
121	33.9714		5317.1	3825.7	121	33.8627	5356.4	3860.3	63.13
122	33.9714		5395.6	3894.6	122	33.7540	5395.6	3894.6	63.45
123	33.8627		5434.6	3928.8	123	33.6455	5434.6	3928.8	63.77
124	33.8627		5512.4	3996.8	124	33.5371	5473.6	3962.9	64.09
125	33.7540		5551.2	4030.7	125	33.4288	5512.4	3996.8	64.40
126	33.7540		5589.8	4064.4	126	33.3207	5551.2	4030.7	64.71
127	33.6455		5628.5	4098.1	127	33.2126	5589.8	4064.4	65.02
128	33.6455		5667.1	4131.7	128	33.1047	5628.5	4098.1	65.32
129	33.5371				129	33.0000	5667.1	4131.7	65.62
130	33.5371				130				65.92
131	33.4288		5705.7	4165.2	131	32.8892	5744.3	4198.8	66.22
132	33.4288		5783.0	4232.4	132	32.7816	5783.0	4232.4	66.51
133	33.3207		5860.7	4299.9	133	32.6742	5821.8	4266.1	66.80
134	33.3207		5899.4	4333.4	134	32.5668	5860.7	4299.9	67.09
135	33.2126		5937.9	4366.7	135	32.4596	5899.4	4333.4	67.38
136	33.2126		5976.3	4399.9	136	32.3524	5937.9	4366.7	67.67
137	33.1047		6014.6	4432.9	137	32.2454	5976.3	4399.9	67.95
138	33.1047		6052.6	4465.6	138	32.1384	6014.6	4432.9	68.23
139	33.0316				139	32.0316	6052.6	4465.6	68.50
140	33.0316				140	31.9248			68.78
141	31.9248		6090.5	4498.2	141	31.8182	6128.2	4530.5	69.05
142	31.9248		6128.2	4530.5	142	31.7116	6165.8	4562.8	69.31
143	31.8182		6241.0	4627.1	143	31.6051	6203.4	4595.0	69.58
144	31.8182		6278.7	4659.3	144	31.4987	6241.0	4627.1	69.84
145	31.7116		6316.4	4691.5	145	31.3925	6278.7	4659.3	70.10
146	31.7116		6354.1	4723.7	146	31.2863	6316.4	4691.5	70.36
147	31.6051		6391.8	4755.9	147	31.1802	6354.1	4723.7	70.62
148	31.6051		6429.6	4788.0	148	31.0741	6391.8	4755.9	70.88
149	31.4987				149	30.9682	6429.6	4788.0	71.14
150	31.4987				150	30.8624			71.39
151	31.3925		6467.7	4820.4	151	30.7566	6506.2	4853.3	71.65
152	31.3925		6506.2	4853.3	152	30.6509	6544.8	4886.2	71.90
153	31.2863		6544.8	4886.2	153	30.5453	6583.4	4919.0	72.16
154	31.2863		6622.0	4951.8	154	30.4398	6622.0	4951.8	72.41
155	31.1802		6660.6	4984.6	155	30.3344	6660.6	4984.6	72.66
156	31.1802		6699.2	5017.3	156	30.2290	6699.2	5017.3	72.91
157	31.0741		6737.7	5050.0	157	30.1238	6737.7	5050.0	73.15
158	31.0741		6776.3	5082.7	158	30.0186	6776.3	5082.7	73.40
159	30.9682		6815.0	5115.3	159	29.9135	6815.0	5115.3	73.64
160	30.9682				160	29.8085			73.88

* PHASE CHANGE

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TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K	TEMP. K	DENSITY MOL/LITER	ENTHALPY J/MOL	INTERNAL ENERGY J/MOL	ENTROPY J/MOL-K
161	29.7036	6853.6	5147.9	74.12	231	22.7376	9527.5	7299.4	87.93
162	29.5988	6892.2	5180.5	74.36	232	22.6472	9564.8	7327.7	88.09
163	29.4940	6930.8	5213.0	74.60	233	22.5571	9601.9	7355.9	88.25
164	29.3894	6969.4	5245.5	74.84	234	22.4674	9639.0	7384.0	88.41
165	29.2848	7008.0	5278.0	75.07	235	22.3780	9676.1	7412.1	88.56
166	29.1803	7046.6	5310.4	75.30	236	22.2890	9713.1	7440.1	88.72
167	29.0759	7085.2	5342.7	75.54	237	22.2005	9750.1	7468.0	88.88
168	28.9717	7123.8	5375.1	75.77	238	22.1123	9787.0	7495.8	89.03
169	28.8675	7162.4	5407.4	75.99	239	22.0244	9823.8	7523.5	89.19
170	28.7634	7201.0	5439.6	76.22	240	21.9370	9860.6	7551.1	89.34
171	28.6594	7239.6	5471.8	76.45	241	21.8500	9897.4	7578.7	89.49
172	28.5555	7278.2	5504.0	76.67	242	21.7634	9934.1	7606.2	89.65
173	28.4517	7316.8	5536.1	76.90	243	21.6772	9970.7	7633.5	89.80
174	28.3480	7355.4	5568.2	77.12	244	21.5914	10007.3	7660.9	89.95
175	28.2444	7394.0	5600.2	77.34	245	21.5060	10043.9	7688.1	90.10
176	28.1409	7432.5	5632.2	77.56	246	21.4210	10080.3	7715.2	90.25
177	28.0376	7471.1	5664.1	77.78	247	21.3365	10116.8	7742.3	90.39
178	27.9343	7509.7	5696.0	78.00	248	21.2523	10153.1	7769.2	90.54
179	27.8312	7548.2	5727.8	78.21	249	21.1686	10189.4	7796.1	90.69
180	27.7282	7586.8	5759.6	78.43	250	21.0853	10225.7	7822.9	90.83
181	27.6253	7625.3	5791.4	78.64	251	21.0024	10261.9	7849.6	90.98
182	27.5226	7663.9	5823.1	78.85	252	20.9200	10298.0	7876.2	91.12
183	27.4200	7702.4	5854.7	79.06	253	20.8379	10334.1	7902.7	91.26
184	27.3175	7740.9	5886.3	79.27	254	20.7563	10370.1	7929.2	91.41
185	27.2152	7779.4	5917.8	79.48	255	20.6752	10406.0	7955.5	91.55
186	27.1130	7817.9	5949.3	79.69	256	20.5944	10441.9	7981.8	91.69
187	27.0109	7856.4	5980.7	79.90	257	20.5141	10477.7	8008.0	91.83
188	26.9090	7894.8	6012.1	80.10	258	20.4343	10513.5	8034.1	91.97
189	26.8073	7933.3	6043.4	80.31	259	20.3549	10549.2	8060.1	92.10
190	26.7057	7971.7	6074.6	80.51	260	20.2759	10584.8	8086.1	92.24
191	26.6043	8010.2	6105.8	80.71	261	20.1973	10620.4	8111.9	92.38
192	26.5030	8048.6	6137.0	80.91	262	20.1192	10655.9	8137.7	92.51
193	26.4020	8087.0	6168.0	81.11	263	20.0415	10691.3	8163.4	92.65
194	26.3011	8125.4	6199.1	81.31	264	19.9643	10726.7	8188.9	92.78
195	26.2003	8163.7	6230.0	81.51	265	19.8875	10762.0	8214.5	92.92
196	26.0998	8202.1	6260.9	81.70	266	19.8111	10797.2	8239.9	93.05
197	25.9995	8240.4	6291.8	81.90	267	19.7352	10832.4	8265.2	93.18
198	25.8993	8278.7	6322.6	82.09	268	19.6597	10867.5	8290.5	93.31
199	25.7994	8317.0	6353.3	82.28	269	19.5847	10902.5	8315.6	93.44
200	25.6996	8355.3	6383.9	82.48	270	19.5101	10937.5	8340.7	93.57
201	25.6001	8393.6	6414.5	82.67	271	19.4359	10972.4	8365.7	93.70
202	25.5008	8431.8	6445.0	82.86	272	19.3622	11007.3	8390.6	93.83
203	25.4017	8470.0	6475.5	83.05	273	19.2890	11042.0	8415.5	93.96
204	25.3028	8508.2	6505.9	83.23	274	19.2161	11076.7	8440.2	94.08
205	25.2042	8546.4	6536.2	83.42	275	19.1437	11111.4	8464.9	94.21
206	25.1058	8584.5	6566.5	83.61	276	19.0718	11146.0	8489.5	94.34
207	25.0076	8622.6	6596.7	83.79	277	19.0003	11180.5	8514.0	94.46
208	24.9097	8660.7	6626.8	83.97	278	18.9292	11214.9	8538.4	94.58
209	24.8120	8698.8	6656.9	84.16	279	18.8585	11249.3	8562.7	94.71
210	24.7146	8736.8	6686.8	84.34	280	18.7883	11283.6	8587.0	94.83
211	24.6175	8774.8	6716.7	84.52	281	18.7185	11317.8	8611.2	94.95
212	24.5206	8812.8	6746.6	84.70	282	18.6492	11351.9	8635.3	95.07
213	24.4240	8850.7	6776.4	84.88	283	18.5803	11386.0	8659.3	95.19
214	24.3277	8888.6	6806.1	85.05	284	18.5118	11420.1	8683.2	95.31
215	24.2316	8926.5	6835.7	85.23	285	18.4437	11454.0	8707.1	95.43
216	24.1359	8964.4	6865.2	85.41	286	18.3761	11487.9	8730.9	95.55
217	24.0404	9002.2	6894.7	85.58	287	18.3089	11521.7	8754.6	95.67
218	23.9453	9039.9	6924.1	85.75	288	18.2421	11555.5	8778.2	95.79
219	23.8504	9077.7	6953.5	85.93	289	18.1757	11589.2	8801.7	95.90
220	23.7559	9115.4	6982.7	86.10	290	18.1098	11622.8	8825.2	96.02
221	23.6616	9153.1	7011.9	86.27	291	18.0443	11656.3	8848.6	96.14
222	23.5677	9190.7	7041.0	86.44	292	17.9792	11689.8	8871.9	96.25
223	23.4741	9228.3	7070.0	86.61	293	17.9145	11723.2	8895.1	96.37
224	23.3809	9265.8	7099.0	86.78	294	17.8502	11756.6	8918.3	96.48
225	23.2880	9303.4	7127.8	86.94	295	17.7863	11789.9	8941.4	96.59
226	23.1954	9340.8	7156.6	87.11	296	17.7229	11823.1	8964.4	96.70
227	23.1031	9378.3	7185.3	87.28	297	17.6598	11856.2	8987.3	96.82
228	23.0112	9415.6	7213.9	87.44	298	17.5972	11889.3	9010.2	96.93
229	22.9197	9453.0	7242.5	87.60	299	17.5350	11922.3	9033.0	97.04
230	22.8285	9490.3	7271.0	87.77	300	17.4731	11955.2	9055.7	97.15