

## 30.00 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
					91	34.5547	3195.2	3107.2	56.15
					92	34.4002	3241.2	3152.8	56.66
					93	34.2443	3287.4	3198.6	57.16
					94	34.0871	3333.7	3244.6	57.65
					95	33.9284	3380.3	3290.7	58.14
					96	33.7683	3426.9	3336.9	58.63
					97	33.6069	3473.7	3383.3	59.12
					98	33.4440	3520.7	3429.8	59.60
					99	33.2797	3567.8	3476.4	60.08
					100	33.1140	3615.0	3523.2	60.55
					101	32.9468	3662.4	3570.1	61.02
					102	32.7780	3709.8	3617.1	61.49
					103	32.6078	3757.4	3664.2	61.96
					104	32.4359	3805.1	3711.4	62.42
					105	32.2623	3853.0	3758.7	62.87
					106	32.0870	3900.9	3806.2	63.33
					107	31.9100	3949.0	3853.7	63.78
					108	31.7310	3997.2	3901.4	64.23
					109	31.5502	4045.5	3949.1	64.67
					110	31.3672	4093.9	3997.0	65.12
					111	31.1822	4142.5	4045.0	65.56
					112	30.9949	4191.3	4093.2	65.99
					113	30.8053	4240.2	4141.5	66.43
					114	30.6131	4289.2	4190.0	66.86
					115	30.4183	4338.5	4238.6	67.29
					116	30.2208	4388.0	4287.4	67.72
					117	30.0202	4437.8	4336.5	68.15
					118	29.8165	4487.8	4385.8	68.57
					119	29.6095	4538.1	4435.4	69.00
					120	29.3988	4588.7	4485.3	69.42
					121	29.1844	4639.7	4535.5	69.84
					122	28.9657	4691.1	4586.2	70.27
					123	28.7426	4743.0	4637.2	70.69
					124	28.5147	4795.4	4688.8	71.11
					125	28.2815	4848.4	4741.0	71.54
					126	28.0427	4902.1	4793.7	71.97
					127	27.7976	4956.6	4847.3	72.40
					128	27.5457	5011.9	4901.6	72.83
					129	27.2861	5068.2	4956.8	73.27
					130	27.0182	5125.7	5013.2	73.71
					131	26.7409	5184.4	5070.7	74.16
					132	26.4530	5244.4	5129.7	74.62
					133	26.1530	5306.5	5190.3	75.09
					134	25.8391	5370.4	5252.8	75.57
					135	25.5091	5436.6	5317.4	76.06
					136	25.1601	5505.1	5384.3	76.57
					137	24.7880	5576.6	5454.0	77.09
					138	24.3876	5651.8	5527.2	77.64
					139	23.9512	5731.7	5604.8	78.21
					* 139.003	23.9500	5731.9	5605.0	78.22
					* 139.003	4.23873	9236.1	8519.0	103.43
					140	4.10309	9305.1	8564.2	103.92
					141	3.98419	9368.7	8605.8	104.37
					142	3.87842	9428.0	8644.2	104.79
					143	3.78310	9483.8	8680.3	105.18
					144	3.69628	9536.8	8714.4	105.55
					145	3.61655	9587.3	8746.8	105.90
					146	3.54283	9635.8	8777.8	106.24
					147	3.47426	9682.4	8807.5	106.55
					148	3.41016	9727.5	8836.1	106.86
					149	3.35000	9771.2	8863.8	107.15
					150	3.29331	9813.7	8890.6	107.44
					151	3.23973	9855.0	8916.7	107.71
					152	3.18893	9895.3	8942.1	107.98
					153	3.14064	9934.7	8966.8	108.24
					154	3.09464	9973.3	8991.0	108.49
					155	3.05072	10011.1	9014.6	108.73
86	35.3048	2967.8	2881.7	53.59	156	3.00870	10048.2	9037.8	108.97
87	35.1579	3012.9	2926.4	54.11	157	2.96843	10084.6	9060.5	109.20
88	35.0094	3058.2	2971.3	54.62	158	2.92978	10120.4	9082.9	109.43
89	34.8593	3103.6	3016.4	55.14	159	2.89263	10155.7	9104.8	109.65
90	34.7077	3149.3	3061.7	55.65	160	2.85686	10190.4	9126.4	109.87

\* PHASE CHANGE

## 30.00 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
161	2.82239	10224.7	9147.6	110.08	231	1.67063	12121.6	10302.1	119.97
162	2.78913	10258.4	9168.5	110.29	232	1.66194	12145.6	10316.5	120.07
163	2.75699	10291.8	9189.2	110.50	233	1.65335	12169.5	10330.9	120.17
164	2.72592	10324.7	9209.5	110.70	234	1.64487	12193.3	10345.3	120.27
165	2.69584	10357.3	9229.7	110.90	235	1.63648	12217.1	10359.6	120.38
166	2.66669	10389.4	9249.5	111.09	236	1.62819	12240.9	10373.9	120.48
167	2.63843	10421.3	9269.1	111.28	237	1.62000	12264.7	10388.2	120.58
168	2.61100	10452.8	9288.6	111.47	238	1.61190	12288.4	10402.5	120.68
169	2.58437	10484.0	9307.8	111.66	239	1.60389	12312.0	10416.7	120.78
170	2.55848	10514.9	9326.8	111.84	240	1.59597	12335.6	10431.0	120.87
171	2.53330	10545.5	9345.6	112.02	241	1.58814	12359.2	10445.1	120.97
172	2.50879	10575.9	9364.2	112.20	242	1.58040	12382.8	10459.3	121.07
173	2.48493	10606.0	9382.7	112.37	243	1.57274	12406.3	10473.5	121.17
174	2.46168	10635.9	9401.0	112.54	244	1.56517	12429.8	10487.6	121.26
175	2.43901	10665.5	9419.2	112.71	245	1.55768	12453.2	10501.7	121.36
176	2.41690	10694.9	9437.2	112.88	246	1.55027	12476.6	10515.8	121.46
177	2.39532	10724.1	9455.1	113.05	247	1.54294	12500.0	10529.9	121.55
178	2.37425	10753.1	9472.8	113.21	248	1.53568	12523.4	10543.9	121.64
179	2.35367	10781.9	9490.4	113.37	249	1.52851	12546.7	10558.0	121.74
180	2.33355	10810.5	9507.9	113.53	250	1.52140	12570.0	10572.0	121.83
181	2.31389	10839.0	9525.2	113.69	251	1.51438	12593.3	10586.0	121.92
182	2.29465	10867.2	9542.5	113.84	252	1.50742	12616.5	10599.9	122.02
183	2.27583	10895.3	9559.6	114.00	253	1.50054	12639.7	10613.9	122.11
184	2.25741	10923.2	9576.6	114.15	254	1.49372	12662.9	10627.8	122.20
185	2.23936	10951.0	9593.6	114.30	255	1.48698	12686.0	10641.7	122.29
186	2.22169	10978.6	9610.4	114.45	256	1.48030	12709.1	10655.6	122.38
187	2.20438	11006.1	9627.1	114.60	257	1.47369	12732.2	10669.5	122.47
188	2.18740	11033.4	9643.7	114.74	258	1.46715	12755.3	10683.4	122.56
189	2.17076	11060.7	9660.3	114.89	259	1.46067	12778.3	10697.2	122.65
190	2.15443	11087.7	9676.8	115.03	260	1.45425	12801.4	10711.1	122.74
191	2.13842	11114.7	9693.1	115.17	261	1.44790	12824.4	10724.9	122.83
192	2.12270	11141.5	9709.4	115.31	262	1.44160	12847.3	10738.7	122.92
193	2.10727	11168.2	9725.7	115.45	263	1.43537	12870.3	10752.5	123.00
194	2.09213	11194.8	9741.8	115.59	264	1.42920	12893.2	10766.2	123.09
195	2.07725	11221.3	9757.9	115.72	265	1.42308	12916.1	10780.0	123.18
196	2.06263	11247.7	9773.9	115.86	266	1.41703	12939.0	10793.7	123.26
197	2.04827	11273.9	9789.8	115.99	267	1.41103	12961.8	10807.5	123.35
198	2.03415	11300.1	9805.7	116.12	268	1.40508	12984.6	10821.2	123.43
199	2.02027	11326.2	9821.5	116.26	269	1.39919	13007.4	10834.9	123.52
200	2.00663	11352.2	9837.3	116.39	270	1.39336	13030.2	10848.6	123.60
201	1.99321	11378.0	9852.9	116.51	271	1.38758	13053.0	10862.2	123.69
202	1.98000	11403.8	9868.6	116.64	272	1.38185	13075.7	10875.9	123.77
203	1.96701	11429.5	9884.1	116.77	273	1.37617	13098.4	10889.5	123.85
204	1.95423	11455.2	9899.7	116.90	274	1.37055	13121.1	10903.2	123.94
205	1.94165	11480.7	9915.1	117.02	275	1.36497	13143.8	10916.8	124.02
206	1.92926	11506.2	9930.5	117.14	276	1.35945	13166.5	10930.4	124.10
207	1.91706	11531.5	9945.9	117.27	277	1.35397	13189.1	10944.0	124.18
208	1.90505	11556.8	9961.2	117.39	278	1.34854	13211.8	10957.6	124.27
209	1.89322	11582.1	9976.4	117.51	279	1.34316	13234.4	10971.2	124.35
210	1.88156	11607.2	9991.7	117.63	280	1.33782	13256.9	10984.7	124.43
211	1.87008	11632.3	10006.8	117.75	281	1.33254	13279.5	10998.3	124.51
212	1.85876	11657.3	10021.9	117.87	282	1.32729	13302.1	11011.8	124.59
213	1.84760	11682.3	10037.0	117.99	283	1.32209	13324.6	11025.3	124.67
214	1.83660	11707.2	10052.1	118.10	284	1.31694	13347.1	11038.9	124.75
215	1.82576	11732.0	10067.0	118.22	285	1.31183	13369.6	11052.4	124.83
216	1.81507	11756.8	10082.0	118.33	286	1.30676	13392.1	11065.9	124.90
217	1.80452	11781.5	10096.9	118.45	287	1.30174	13414.6	11079.3	124.98
218	1.79412	11806.1	10111.8	118.56	288	1.29675	13437.0	11092.8	125.06
219	1.78386	11830.7	10126.6	118.67	289	1.29181	13459.4	11106.3	125.14
220	1.77374	11855.2	10141.4	118.78	290	1.28691	13481.9	11119.7	125.22
221	1.76375	11879.7	10156.2	118.90	291	1.28205	13504.3	11133.2	125.29
222	1.75390	11904.1	10170.9	119.01	292	1.27723	13526.6	11146.6	125.37
223	1.74417	11928.5	10185.6	119.11	293	1.27245	13549.0	11160.1	125.45
224	1.73456	11952.8	10200.3	119.22	294	1.26770	13571.4	11173.5	125.52
225	1.72508	11977.1	10214.9	119.33	295	1.26300	13593.7	11186.9	125.60
226	1.71572	12001.3	10229.5	119.44	296	1.25833	13616.0	11200.3	125.67
227	1.70648	12025.4	10244.1	119.55	297	1.25370	13638.3	11213.7	125.75
228	1.69735	12049.6	10258.6	119.65	298	1.24911	13660.6	11227.0	125.82
229	1.68834	12073.6	10273.1	119.76	299	1.24455	13682.9	11240.4	125.90
230	1.67943	12097.7	10287.6	119.86	300	1.24003	13705.2	11253.8	125.97