

## 20.00 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	34.4730	3177.8	3119.0	56.29
					92	34.3167	3224.0	3165.0	56.79
					93	34.1588	3270.4	3211.1	57.29
					94	33.9995	3317.0	3257.4	57.79
					95	33.8387	3363.8	3303.9	58.29
					96	33.6764	3410.7	3350.5	58.78
					97	33.5126	3457.8	3397.3	59.27
					98	33.3473	3505.0	3444.3	59.75
					99	33.1805	3552.4	3491.3	60.23
					100	33.0121	3599.9	3538.5	60.71
					101	32.8420	3647.6	3585.9	61.18
					102	32.6704	3695.4	3633.3	61.65
					103	32.4970	3743.3	3680.9	62.12
					104	32.3219	3791.4	3728.7	62.59
					105	32.1449	3839.6	3776.5	63.05
					106	31.9661	3887.9	3824.5	63.51
					107	31.7853	3936.4	3872.6	63.96
					108	31.6024	3985.0	3920.9	64.41
					109	31.4173	4033.8	3969.3	64.86
					110	31.2300	4082.7	4017.8	65.31
					111	31.0403	4131.9	4066.6	65.75
					112	30.8480	4181.2	4115.5	66.20
					113	30.6531	4230.7	4164.5	66.64
					114	30.4554	4280.4	4213.8	67.07
					115	30.2546	4330.3	4263.4	67.51
					116	30.0507	4380.6	4313.1	67.95
					117	29.8433	4431.1	4363.2	68.38
					118	29.6322	4482.0	4413.6	68.81
					119	29.4173	4533.2	4464.3	69.24
					120	29.1981	4584.8	4515.4	69.68
					121	28.9743	4636.9	4567.0	70.11
					122	28.7457	4689.5	4619.0	70.54
					123	28.5116	4742.7	4671.7	70.98
					124	28.2716	4796.6	4724.9	71.41
					125	28.0252	4851.2	4778.9	71.85
					126	27.7717	4906.7	4833.7	72.29
					127	27.5104	4963.2	4889.5	72.74
					128	27.2402	5020.7	4946.3	73.19
					129	26.9600	5079.6	5004.4	73.65
					* 129.994	26.6705	5139.5	5063.6	74.11
					* 129.994	2.59195	9507.7	8725.9	107.71
					130	2.59162	9508.0	8726.0	107.72
					131	2.53921	9551.6	8753.5	108.05
					132	2.49036	9593.7	8780.0	108.37
					133	2.44461	9634.6	8805.6	108.68
					134	2.40159	9674.2	8830.4	108.98
					135	2.36099	9712.9	8854.5	109.26
					136	2.32255	9750.6	8878.0	109.54
					137	2.28606	9787.5	8901.0	109.81
					138	2.25134	9823.6	8923.4	110.08
					139	2.21822	9859.0	8945.4	110.33
					140	2.18656	9893.8	8966.9	110.58
					141	2.15625	9927.9	8988.1	110.82
					142	2.12717	9961.6	9008.9	111.06
					143	2.09923	9994.7	9029.3	111.29
					144	2.07236	10027.4	9049.5	111.52
					145	2.04647	10059.6	9069.3	111.74
					146	2.02150	10091.4	9088.9	111.96
					147	1.99739	10122.8	9108.2	112.18
					148	1.97408	10153.9	9127.3	112.39
					149	1.95153	10184.6	9146.1	112.59
					150	1.92969	10215.0	9164.8	112.80
					151	1.90852	10245.1	9183.2	113.00
					152	1.88798	10274.9	9201.5	113.19
					153	1.86803	10304.4	9219.5	113.39
					154	1.84866	10333.7	9237.5	113.58
					155	1.82982	10362.7	9255.2	113.77
					156	1.81149	10391.5	9272.8	113.95
					157	1.79364	10420.1	9290.2	114.13
					158	1.77626	10448.4	9307.5	114.31
					159	1.75931	10476.6	9324.7	114.49
					160	1.74279	10504.6	9341.8	114.67
86	35.2315	2949.4	2891.8	53.70					
87	35.0830	2994.6	2936.9	54.23					
88	34.9329	3040.1	2982.1	54.75					
89	34.7812	3085.8	3027.6	55.26					
90	34.6279	3131.7	3073.2	55.78					

\* PHASE CHANGE

## 20.00 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	1.72667	10532.4	9358.7	114.84	231	1.09367	12247.4	10394.4	123.74
162	1.71093	10560.0	9375.5	115.01	232	1.08833	12270.2	10408.1	123.83
163	1.69556	10587.4	9392.2	115.18	233	1.08304	12293.0	10421.8	123.93
164	1.68055	10614.7	9408.8	115.35	234	1.07781	12315.7	10435.5	124.03
165	1.66587	10641.8	9425.3	115.51	235	1.07264	12338.5	10449.2	124.13
166	1.65151	10668.7	9441.6	115.68	236	1.06752	12361.2	10462.8	124.22
167	1.63747	10695.6	9457.9	115.84	237	1.06246	12383.8	10476.4	124.32
168	1.62373	10722.2	9474.2	116.00	238	1.05744	12406.5	10490.0	124.41
169	1.61027	10748.8	9490.3	116.15	239	1.05248	12429.1	10503.6	124.51
170	1.59710	10775.2	9506.3	116.31	240	1.04757	12451.7	10517.2	124.60
171	1.58419	10801.5	9522.3	116.46	241	1.04271	12474.3	10530.8	124.70
172	1.57154	10827.7	9538.1	116.62	242	1.03790	12496.9	10544.4	124.79
173	1.55914	10853.9	9553.9	116.77	243	1.03313	12519.4	10557.9	124.88
174	1.54698	10879.7	9569.7	116.92	244	1.02842	12542.0	10571.4	124.98
175	1.53505	10905.5	9585.3	117.06	245	1.02375	12564.5	10584.9	125.07
176	1.52334	10931.2	9600.9	117.21	246	1.01913	12587.0	10598.5	125.16
177	1.51186	10956.9	9616.4	117.36	247	1.01455	12609.4	10611.9	125.25
178	1.50058	10982.4	9631.9	117.50	248	1.01002	12631.9	10625.4	125.34
179	1.48951	11007.8	9647.3	117.64	249	1.00553	12654.3	10638.9	125.43
180	1.47863	11033.2	9662.6	117.78	250	1.00108	12676.7	10652.3	125.52
181	1.46794	11058.4	9677.9	117.92	251	0.996681	12699.1	10665.8	125.61
182	1.45744	11083.6	9693.1	118.06	252	0.992319	12721.5	10679.2	125.70
183	1.44712	11108.7	9708.3	118.20	253	0.987999	12743.8	10692.7	125.79
184	1.43698	11133.7	9723.4	118.34	254	0.983719	12766.2	10706.1	125.88
185	1.42700	11158.6	9738.5	118.47	255	0.979479	12788.5	10719.5	125.96
186	1.41719	11183.5	9753.5	118.61	256	0.975278	12810.8	10732.9	126.05
187	1.40754	11208.3	9768.5	118.74	257	0.971116	12833.1	10746.2	126.14
188	1.39804	11233.0	9783.4	118.87	258	0.966992	12855.3	10759.6	126.23
189	1.38869	11257.6	9798.3	119.00	259	0.962906	12877.6	10773.0	126.31
190	1.37949	11282.2	9813.1	119.13	260	0.958857	12899.8	10786.3	126.40
191	1.37044	11306.7	9827.9	119.26	261	0.954845	12922.0	10799.7	126.48
192	1.36152	11331.1	9842.7	119.39	262	0.950868	12944.2	10813.0	126.57
193	1.35274	11355.5	9857.4	119.51	263	0.946927	12966.4	10826.3	126.65
194	1.34409	11379.8	9872.0	119.64	264	0.943021	12988.6	10839.6	126.74
195	1.33557	11404.1	9886.7	119.76	265	0.939150	13010.8	10852.9	126.82
196	1.32717	11428.2	9901.3	119.89	266	0.935312	13032.9	10866.2	126.90
197	1.31890	11452.4	9915.8	120.01	267	0.931508	13055.1	10879.5	126.99
198	1.31074	11476.5	9930.4	120.13	268	0.927737	13077.2	10892.8	127.07
199	1.30271	11500.5	9944.9	120.25	269	0.923998	13099.3	10906.0	127.15
200	1.29478	11524.5	9959.3	120.37	270	0.920292	13121.4	10919.3	127.23
201	1.28697	11548.4	9973.7	120.49	271	0.916617	13143.4	10932.5	127.31
202	1.27926	11572.3	9988.1	120.61	272	0.912974	13165.5	10945.8	127.40
203	1.27166	11596.1	10002.5	120.73	273	0.909361	13187.6	10959.0	127.48
204	1.26416	11619.9	10016.8	120.85	274	0.905779	13209.6	10972.2	127.56
205	1.25677	11643.6	10031.1	120.96	275	0.902227	13231.6	10985.5	127.64
206	1.24947	11667.3	10045.4	121.08	276	0.898705	13253.6	10998.7	127.72
207	1.24227	11691.0	10059.6	121.19	277	0.895211	13275.6	11011.9	127.80
208	1.23516	11714.6	10073.8	121.31	278	0.891747	13297.6	11025.1	127.88
209	1.22815	11738.1	10088.0	121.42	279	0.888311	13319.6	11038.3	127.96
210	1.22123	11761.6	10102.2	121.53	280	0.884903	13341.6	11051.4	128.03
211	1.21439	11785.1	10116.3	121.64	281	0.881523	13363.5	11064.6	128.11
212	1.20764	11808.5	10130.4	121.75	282	0.878170	13385.5	11077.8	128.19
213	1.20097	11831.9	10144.5	121.86	283	0.874844	13407.4	11090.9	128.27
214	1.19439	11855.3	10158.6	121.97	284	0.871545	13429.3	11104.1	128.34
215	1.18789	11878.6	10172.6	122.08	285	0.868272	13451.2	11117.2	128.42
216	1.18147	11901.9	10186.6	122.19	286	0.865025	13473.1	11130.4	128.50
217	1.17512	11925.2	10200.6	122.30	287	0.861804	13495.0	11143.5	128.58
218	1.16886	11948.4	10214.6	122.40	288	0.858608	13516.9	11156.6	128.65
219	1.16266	11971.6	10228.6	122.51	289	0.855437	13538.8	11169.7	128.73
220	1.15654	11994.7	10242.5	122.61	290	0.852291	13560.6	11182.9	128.80
221	1.15049	12017.8	10256.4	122.72	291	0.849169	13582.5	11196.0	128.88
222	1.14452	12040.9	10270.3	122.82	292	0.846071	13604.3	11209.1	128.95
223	1.13861	12064.0	10284.1	122.93	293	0.842997	13626.1	11222.2	129.03
224	1.13277	12087.0	10298.0	123.03	294	0.839947	13648.0	11235.2	129.10
225	1.12699	12110.0	10311.8	123.13	295	0.836920	13669.8	11248.3	129.18
226	1.12128	12133.0	10325.6	123.23	296	0.833916	13691.6	11261.4	129.25
227	1.11564	12155.9	10339.4	123.34	297	0.830934	13713.4	11274.5	129.32
228	1.11005	12178.8	10353.2	123.44	298	0.827975	13735.1	11287.5	129.40
229	1.10453	12201.7	10367.0	123.54	299	0.825038	13756.9	11300.6	129.47
230	1.09907	12224.6	10380.7	123.64	300	0.822123	13778.7	11313.6	129.54