

## 45.00 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	34.6740	3221.5	3090.0	55.96
					92	34.5222	3267.2	3135.1	56.46
					93	34.3691	3313.0	3180.4	56.96
					94	34.2147	3359.1	3225.8	57.45
					95	34.0591	3405.2	3271.4	57.94
					96	33.9022	3451.6	3317.1	58.42
					97	33.7440	3498.0	3362.9	58.90
					98	33.5845	3544.6	3408.8	59.38
					99	33.4238	3591.3	3454.9	59.86
					100	33.2618	3638.1	3501.0	60.33
					101	33.0985	3685.0	3547.3	60.79
					102	32.9338	3732.1	3593.6	61.26
					103	32.7678	3779.2	3640.0	61.72
					104	32.6003	3826.4	3686.5	62.17
					105	32.4314	3873.7	3733.1	62.63
					106	32.2610	3921.1	3779.8	63.07
					107	32.0891	3968.6	3826.5	63.52
					108	31.9156	4016.2	3873.4	63.96
					109	31.7403	4063.9	3920.3	64.40
					110	31.5634	4111.7	3967.2	64.84
					111	31.3846	4159.6	4014.3	65.27
					112	31.2040	4207.6	4061.4	65.70
					113	31.0213	4255.7	4108.7	66.13
					114	30.8366	4303.9	4156.1	66.56
					115	30.6497	4352.3	4203.5	66.98
					116	30.4605	4400.8	4251.2	67.40
					117	30.2688	4449.6	4298.9	67.82
					118	30.0746	4498.5	4346.8	68.23
					119	29.8777	4547.6	4395.0	68.65
					120	29.6779	4596.9	4443.3	69.06
					121	29.4751	4646.6	4491.9	69.47
					122	29.2690	4696.5	4540.7	69.88
					123	29.0594	4746.8	4589.9	70.29
					124	28.8461	4797.4	4639.4	70.70
					125	28.6289	4848.5	4689.3	71.11
					126	28.4074	4900.1	4739.6	71.53
					127	28.1813	4952.3	4790.5	71.94
					128	27.9502	5005.0	4841.9	72.35
					129	27.7138	5058.5	4894.0	72.77
					130	27.4715	5112.8	4946.8	73.19
					131	27.2229	5167.9	5000.4	73.61
					132	26.9672	5224.1	5055.0	74.04
					133	26.7039	5281.4	5110.6	74.47
					134	26.4320	5340.0	5167.5	74.91
					135	26.1506	5400.0	5225.6	75.35
					136	25.8586	5461.2	5284.9	75.81
					137	25.5545	5524.0	5345.6	76.27
					138	25.2366	5588.7	5408.0	76.74
					139	24.9028	5655.3	5472.2	77.22
					140	24.5505	5724.4	5538.7	77.71
					141	24.1760	5796.3	5607.7	78.22
					142	23.7749	5871.8	5680.0	78.76
					143	23.3407	5951.7	5756.4	79.32
					144	22.8642	6037.5	5838.1	79.92
					145	22.3312	6131.1	5927.0	80.57
					146	21.7184	6235.8	6025.9	81.29
					147	20.9816	6357.7	6140.4	82.12
					148	20.0171	6511.3	6283.5	83.17
					* 148.997	18.4189	6753.4	6505.8	84.80
					* 148.997	8.82476	8364.5	7847.8	95.61
					149	8.81932	8365.8	7848.8	95.62
					150	7.65533	8664.5	8068.8	97.62
					151	7.08152	8833.6	8189.7	98.74
					152	6.68477	8961.7	8279.6	99.59
					153	6.37862	9068.0	8353.2	100.29
					154	6.12843	9160.6	8416.6	100.89
					155	5.91653	9243.5	8472.8	101.43
					156	5.73262	9319.1	8523.7	101.91
					157	5.57010	9389.1	8570.5	102.36
					158	5.42449	9454.6	8614.0	102.78
					159	5.29261	9516.4	8654.8	103.17
					160	5.17212	9575.0	8693.4	103.53
86	35.4122	2995.6	2866.9	53.41					
87	35.2675	3040.4	2911.1	53.93					
88	35.1213	3085.4	2955.6	54.44					
89	34.9736	3130.6	3000.2	54.95					
90	34.8244	3175.9	3045.0	55.46					

\* PHASE CHANGE

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161	5.06121	9630.9	8730.0	103.88	231	2.57545	11929.3	10159.8	115.98
162	4.95849	9684.5	8764.9	104.21	232	2.56073	11955.1	10174.5	116.09
163	4.86285	9736.1	8798.4	104.53	233	2.54622	11980.8	10190.1	116.20
164	4.77341	9785.9	8830.7	104.84	234	2.53190	12006.5	10205.6	116.31
165	4.68942	9834.1	8861.7	105.13	235	2.51778	12032.1	10221.1	116.42
166	4.61027	9880.9	8891.8	105.41	236	2.50385	12057.6	10236.6	116.53
167	4.53545	9926.3	8921.0	105.68	237	2.49010	12083.1	10252.0	116.64
168	4.46453	9970.6	8949.3	105.95	238	2.47654	12108.5	10267.3	116.74
169	4.39713	10013.9	8976.9	106.20	239	2.46315	12133.8	10282.6	116.85
170	4.33294	10056.1	9003.8	106.45	240	2.44993	12159.1	10297.9	116.96
171	4.27166	10097.5	9030.0	106.70	241	2.43688	12184.3	10313.2	117.06
172	4.21307	10138.0	9055.7	106.93	242	2.42400	12209.5	10328.4	117.16
173	4.15694	10177.7	9080.8	107.16	243	2.41128	12234.5	10343.5	117.27
174	4.10309	10216.8	9105.5	107.39	244	2.39871	12259.6	10358.7	117.37
175	4.05134	10255.2	9129.7	107.61	245	2.38630	12284.5	10373.8	117.47
176	4.00155	10292.9	9153.4	107.82	246	2.37405	12309.5	10388.8	117.57
177	3.95358	10330.1	9176.7	108.03	247	2.36194	12334.3	10403.8	117.68
178	3.90730	10366.7	9199.7	108.24	248	2.34997	12359.1	10418.8	117.78
179	3.86262	10402.8	9222.3	108.44	249	2.33815	12383.9	10433.8	117.88
180	3.81943	10438.4	9244.6	108.64	250	2.32647	12408.6	10448.7	117.97
181	3.77764	10473.6	9266.5	108.84	251	2.31493	12433.3	10463.6	118.07
182	3.73716	10508.3	9288.2	109.03	252	2.30351	12457.9	10478.4	118.17
183	3.69792	10542.6	9309.6	109.22	253	2.29223	12482.4	10493.2	118.27
184	3.65986	10576.6	9330.7	109.40	254	2.28108	12507.0	10508.0	118.36
185	3.62291	10610.1	9351.5	109.58	255	2.27006	12531.4	10522.8	118.46
186	3.58701	10643.3	9372.2	109.76	256	2.25916	12555.8	10537.5	118.56
187	3.55211	10676.2	9392.5	109.94	257	2.24838	12580.2	10552.2	118.65
188	3.51815	10708.8	9412.7	110.11	258	2.23772	12604.6	10566.9	118.75
189	3.48509	10741.0	9432.7	110.28	259	2.22718	12628.8	10581.5	118.84
190	3.45289	10773.0	9452.4	110.45	260	2.21675	12653.1	10596.1	118.93
191	3.42151	10804.7	9472.0	110.62	261	2.20643	12677.3	10610.7	119.03
192	3.39090	10836.1	9491.4	110.78	262	2.19623	12701.5	10625.3	119.12
193	3.36105	10867.3	9510.6	110.94	263	2.18613	12725.6	10639.8	119.21
194	3.33190	10898.2	9529.7	111.10	264	2.17614	12749.7	10654.4	119.30
195	3.30344	10928.9	9548.6	111.26	265	2.16626	12773.7	10668.8	119.39
196	3.27563	10959.3	9567.3	111.42	266	2.15648	12797.8	10683.3	119.48
197	3.24845	10989.6	9585.9	111.57	267	2.14680	12821.7	10697.8	119.57
198	3.22186	11019.6	9604.4	111.72	268	2.13721	12845.7	10712.2	119.66
199	3.19586	11049.5	9622.7	111.87	269	2.12773	12869.6	10726.6	119.75
200	3.17041	11079.1	9640.9	112.02	270	2.11834	12893.4	10740.9	119.84
201	3.14550	11108.6	9659.0	112.17	271	2.10905	12917.3	10755.3	119.93
202	3.12110	11137.8	9676.9	112.31	272	2.09985	12941.1	10769.6	120.02
203	3.09720	11166.9	9694.7	112.46	273	2.09074	12964.9	10783.9	120.10
204	3.07377	11195.9	9712.4	112.60	274	2.08172	12988.6	10798.2	120.19
205	3.05080	11224.7	9730.0	112.74	275	2.07279	13012.3	10812.5	120.28
206	3.02828	11253.3	9747.5	112.88	276	2.06395	13036.0	10826.7	120.36
207	3.00619	11281.7	9764.9	113.02	277	2.05519	13059.6	10841.0	120.45
208	2.98451	11310.0	9782.2	113.15	278	2.04652	13083.2	10855.2	120.53
209	2.96324	11338.2	9799.4	113.29	279	2.03793	13106.8	10869.4	120.62
210	2.94235	11366.3	9816.6	113.42	280	2.02942	13130.3	10883.5	120.70
211	2.92184	11394.2	9833.6	113.56	281	2.02099	13153.9	10897.7	120.79
212	2.90169	11421.9	9850.5	113.69	282	2.01264	13177.4	10911.8	120.87
213	2.88189	11449.6	9867.4	113.82	283	2.00436	13200.8	10925.9	120.95
214	2.86244	11477.1	9884.1	113.95	284	1.99617	13224.3	10940.0	121.04
215	2.84331	11504.5	9900.8	114.07	285	1.98804	13247.7	10954.1	121.12
216	2.82451	11531.8	9917.5	114.20	286	1.98000	13271.0	10968.1	121.20
217	2.80602	11559.0	9934.0	114.33	287	1.97202	13294.4	10982.2	121.28
218	2.78783	11586.1	9950.5	114.45	288	1.96412	13317.7	10996.2	121.36
219	2.76994	11613.0	9966.9	114.57	289	1.95629	13341.0	11010.2	121.44
220	2.75233	11639.9	9983.2	114.70	290	1.94853	13364.3	11024.2	121.52
221	2.73500	11666.6	9999.5	114.82	291	1.94083	13387.6	11038.2	121.60
222	2.71794	11693.3	10015.7	114.94	292	1.93321	13410.8	11052.2	121.68
223	2.70115	11719.9	10031.8	115.06	293	1.92565	13434.0	11066.1	121.76
224	2.68461	11746.4	10047.9	115.18	294	1.91816	13457.2	11080.0	121.84
225	2.66832	11772.7	10063.9	115.29	295	1.91073	13480.3	11094.0	121.92
226	2.65227	11799.0	10079.9	115.41	296	1.90337	13503.5	11107.9	122.00
227	2.63646	11825.3	10095.8	115.53	297	1.89607	13526.6	11121.8	122.08
228	2.62087	11851.4	10111.6	115.64	298	1.88883	13549.7	11135.6	122.15
229	2.60552	11877.4	10127.4	115.75	299	1.88165	13572.8	11149.5	122.23
230	2.59038	11903.4	10143.1	115.87	300	1.87453	13595.8	11163.3	122.31