

# Properties of Saturated Ammonia

Temp (°F)	Pressure PSI Absolute	Pressure PSI gauge	Specific volume, cu ft per lb		Enthalpy, Btu			Entropy		
			Saturated Liquid	Saturated Vapor	Saturated Liquid	Vapor- ization	Saturated Vapor	Saturated Liquid	Vapor- ization	Saturated Vapor
-40	10.41	-4.29	0.02322	24.86	0.0	597.6	597.6	0.0000	1.4242	1.4242
-38	11.04	-3.66	0.02326	23.53	2.1	596.2	598.3	0.0051	1.4142	1.4193
-36	11.71	-2.99	0.02331	22.27	4.3	594.8	599.1	0.0101	1.4043	1.4144
-34	12.41	-2.29	0.02335	21.10	6.4	593.5	599.9	0.0151	1.3945	1.4096
-32	13.14	-1.56	0.02340	20.00	8.5	592.1	600.6	0.0201	1.3847	1.4048
-30	13.9	-0.8	0.02345	18.97	10.7	590.7	601.4	0.0250	1.3751	1.4001
-28	14.71	0.01	0.02349	18.00	12.8	589.3	602.1	0.0300	1.3655	1.3955
-26	15.55	0.85	0.02354	17.09	14.9	587.9	602.8	0.0350	1.3559	1.3909
-24	16.42	1.72	0.02359	16.24	17.1	586.5	603.6	0.0399	1.3464	1.3863
-22	17.34	2.64	0.02364	15.43	19.2	585.1	604.3	0.0446	1.3370	1.3818
-20	18.3	3.6	0.02369	14.68	21.4	583.6	605.0	0.0497	1.3277	1.3774
-18	19.3	4.6	0.02374	13.97	23.5	582.2	605.7	0.0545	1.3184	1.3729
-16	20.34	5.64	0.02378	13.29	25.6	580.8	606.4	0.0594	1.3092	1.3686
-14	21.43	6.73	0.02383	12.66	27.8	579.3	607.1	0.0642	1.3001	1.3643
-12	22.56	7.86	0.02384	12.06	30.0	577.8	607.8	0.0690	1.2910	1.3600
-10	23.74	9.04	0.02393	11.50	32.1	576.4	608.5	0.0738	1.2820	1.3558
-8	24.97	10.27	0.02399	10.97	34.3	574.9	609.2	0.0786	1.2730	1.3516
-6	26.26	11.56	0.02404	10.47	36.4	573.4	609.8	0.0833	1.2641	1.3474
-4	27.59	12.89	0.02409	9.991	38.6	571.9	610.5	0.0880	1.2553	1.3433
-2	28.98	14.28	0.02414	9.541	40.7	570.4	611.1	0.0928	1.2465	1.3393
0	30.42	15.72	0.02419	9.116	42.9	568.9	611.8	0.0975	1.2377	1.3352
2	31.92	17.22	0.02424	8.714	45.1	567.3	612.4	0.1022	1.2290	1.3312
4	33.47	18.77	0.02430	8.333	47.2	565.8	613.0	0.1069	1.2204	1.3273
6	35.09	20.39	0.02435	7.971	49.4	564.2	613.6	0.1115	1.2119	1.3234
8	36.77	22.07	0.02440	7.629	51.6	562.7	614.3	0.1162	1.2033	1.3195
10	38.51	23.81	0.02446	7.304	53.8	561.1	614.9	0.1208	1.1949	1.3157
12	40.31	25.61	0.02451	6.996	56.0	559.5	615.5	0.1254	1.1864	1.3118
14	42.18	27.48	0.02457	6.703	58.2	557.9	616.1	0.1300	1.1781	1.3081
16	44.12	29.42	0.02462	6.425	60.3	556.3	616.6	0.1346	1.1697	1.3043
18	46.13	31.43	0.02468	6.161	62.5	554.7	617.2	0.1392	1.1614	1.3006
20	48.21	33.51	0.02474	5.910	64.7	553.1	617.8	0.1437	1.1532	1.2969
22	50.36	35.66	0.02479	5.671	66.9	551.4	618.3	0.1483	1.1450	1.2933
24	52.59	37.89	0.02485	5.443	69.1	549.8	618.9	0.1528	1.1369	1.2897
26	54.9	40.2	0.02491	5.227	71.3	548.1	619.4	0.1573	1.1288	1.2861
28	57.28	42.58	0.02497	5.021	73.5	546.4	619.9	0.1618	1.1207	1.2825
30	59.74	45.04	0.02503	4.825	75.7	544.8	620.5	0.1663	1.1127	1.2790
32	62.29	47.59	0.02508	4.637	77.9	543.1	621.0	0.1708	1.1047	1.2755
34	64.91	50.21	0.02514	4.459	80.1	541.4	621.5	0.1753	1.0968	1.2721
36	67.63	52.93	0.02521	4.289	82.3	537.9	622.0	0.1797	1.0889	1.2686
38	70.43	55.73	0.02527	4.126	84.6	537.9	622.5	0.1841	1.0811	1.2652
40	73.32	58.62	0.02533	3.971	86.8	536.2	623.0	0.1885	1.0733	1.2618
42	76.31	61.61	0.02539	3.823	89.0	534.4	623.4	0.1930	1.0655	1.2585
44	79.38	64.68	0.02545	3.682	91.2	532.7	623.9	0.1974	1.0578	1.2552
46	82.55	67.85	0.02551	3.547	93.5	530.9	624.4	0.2018	1.0501	1.2519
48	85.82	71.12	0.02558	3.418	95.7	529.1	624.8	0.2062	1.0424	1.2486

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			Saturated Liquid	Saturated Vapor	Saturated Liquid	Vapor- ization	Saturated Vapor	Saturated Liquid	Vapor- ization	Saturated Vapor
50	89.19	74.49	0.02564	3.294	97.9	527.3	625.2	0.2105	1.0348	1.2453
52	92.66	77.96	0.02571	3.176	100.2	525.5	625.7	0.2149	1.0272	1.2421
54	96.23	81.53	0.02577	3.063	102.4	523.7	626.1	0.2192	1.0197	1.2389
56	99.91	85.21	0.02584	2.954	104.7	521.8	626.5	0.2236	1.0121	1.2357
58	103.7	89	0.02590	2.851	106.9	520.0	626.9	0.2279	1.0046	1.2325
60	107.6	92.9	0.02597	2.751	109.2	518.1	627.3	0.2322	0.9972	1.2294
62	111.6	96.9	0.02604	2.656	111.5	516.2	627.7	0.2365	0.9897	1.2262
64	115.7	101	0.02611	2.565	113.7	514.3	628.0	0.2408	0.9823	1.2231
66	120	105.3	0.02618	2.477	116.0	512.4	628.4	0.2451	0.9750	1.2201
68	124.3	109.6	0.02625	2.393	118.3	510.5	628.8	0.2494	0.9676	1.2170
70	128.8	114.1	0.02632	2.312	120.5	508.6	629.1	0.2537	0.9603	1.2140
72	133.4	118.7	0.02639	2.235	122.8	506.6	629.4	0.2579	0.9531	1.2110
74	1381	1366.3	0.02646	2.161	125.1	504.7	629.8	0.2622	0.9458	1.2080
76	143	128.3	0.02653	2.089	127.4	502.7	630.1	0.2664	0.9386	1.2050
78	147.9	133.2	0.02661	2.021	129.7	500.7	630.4	0.2706	0.9314	1.2020
80	153	138.3	0.02668	1.955	132.0	498.7	630.7	0.2749	0.9242	1.1991
82	158.3	143.6	0.02675	1.892	134.3	496.7	631.0	0.2791	0.9171	1.1962
84	163.7	149	0.02684	1.831	136.6	494.7	631.3	0.2833	0.9100	1.1933
86	169.2	154.5	0.02691	1.772	138.9	492.6	631.5	0.2875	0.9029	0.1904
88	174.8	160.1	0.02699	1.716	141.2	490.6	631.8	0.2917	0.8958	1.1875
90	180.6	165.9	0.02707	1.661	143.5	488.5	632.0	0.2958	0.8888	1.1846
92	186.6	171.9	0.02715	1.609	145.8	486.4	632.2	0.3000	0.8818	1.1818
94	192.7	178	0.02723	1.559	148.2	484.3	632.5	0.3041	0.8748	1.1789
96	198.9	184.2	0.02731	1.510	150.5	482.1	632.6	0.3083	0.8678	1.1761
98	205.3	190.6	0.02739	1.464	152.9	480.0	632.9	0.3125	0.8608	1.1733
100	211.9	197.2	0.02747	1.419	155.2	477.8	633.0	0.3166	0.8539	1.1705
105	228.9	214.2	0.02769	1.313	161.1	472.3	633.4	0.3269	0.8366	1.1635
110	247	232.3	0.02790	1.217	167.0	466.7	633.7	0.3372	0.8194	1.1566
115	266.2	251.5	0.02813	1.128	173.0	460.9	633.9	0.3474	0.8023	1.1497
120	286.4	271.7	0.02836	1.047	179.0	455.0	634.0	0.3576	0.7851	1.1427