

蒸汽表

a) 绝对压力基准 (拔萃于日本机械学会编制「蒸汽表」)

压力 (kPa)	饱和温度 (°C)	比容積 (m ³ /kg)		比重量 (kg/m ³)	比エンタルピ (kJ/kg)		
		v'	v''		h'	h''	$r = h'' - h'$
1.0	6.970	0.00100014	129.183	0.00774094	29.30	2513.68	2484.38
2.0	17.495	0.00100136	66.9896	0.0149277	73.43	2532.91	2459.48
3.0	24.080	0.00100277	45.6550	0.0219034	100.99	2544.88	2443.89
4.0	28.926	0.00100410	34.7925	0.0287419	121.40	2553.71	2432.31
5.0	32.875	0.00100532	28.1863	0.0354782	137.77	2560.77	2423.00
6.0	36.160	0.00100645	23.7342	0.0421333	151.49	2566.67	2415.18
7.0	39.001	0.00100749	20.5252	0.0487207	163.37	2571.76	2408.39
8.0	41.510	0.00100847	18.0994	0.0552503	173.85	2576.24	2402.39
9.0	43.762	0.00100939	16.1997	0.0617294	183.26	2580.25	2396.99
10	45.808	0.00101026	14.6706	0.0681637	191.81	2583.89	2392.08
20	60.059	0.00101714	7.64815	0.130751	251.40	2608.95	2357.55
30	60.095	0.00102222	5.22856	0.191257	289.23	2624.55	2335.32
40	75.857	0.00102636	3.99311	0.250431	317.57	2636.05	2318.48
50	81.317	0.00102991	3.24015	0.308628	340.48	2645.21	2304.73
60	85.926	0.00103306	2.73183	0.366055	359.84	2652.85	2293.01
70	89.932	0.00103589	2.36490	0.422851	376.68	2659.42	2282.74
80	93.485	0.00103849	2.08719	0.479113	391.64	2665.18	2273.54
90	96.687	0.00104090	1.86946	0.534914	405.13	2670.31	2265.18
100	99.606	0.00104315	1.69402	0.590311	417.44	2674.95	2257.51
101.325	99.974	0.00104344	1.67330	0.597623	418.99	2675.53	2256.54
110	102.29	0.00104526	1.54955	0.645348	428.77	2679.18	2250.41
120	104.78	0.00104727	1.42845	0.700062	439.30	2683.06	2243.76
130	107.11	0.00104917	1.32541	0.754483	449.13	2686.65	2237.52
140	109.29	0.00105098	1.23665	0.808637	458.37	2689.99	2231.62
150	111.35	0.00105272	1.15936	0.862547	467.08	2693.11	2226.03
160	113.30	0.00105440	1.09143	0.916230	475.34	2696.04	2220.7
170	115.15	0.00105601	1.03124	0.969704	483.18	2698.81	2215.63
180	116.91	0.00105756	0.977534	1.02298	490.67	2701.42	2210.75
190	118.60	0.00105906	0.929299	1.07608	497.82	2703.89	2206.07
200	120.21	0.00106052	0.885735	1.12901	504.68	2706.24	2201.56
210	121.76	0.00106193	0.846187	1.18177	511.27	2708.48	2197.21
220	123.25	0.00106331	0.810119	1.23439	517.62	2710.62	2193.00
230	124.69	0.00106464	0.777086	1.28686	523.73	2712.66	2188.93
240	126.07	0.00106595	0.746716	1.33920	529.64	2714.62	2184.98
250	127.41	0.00106722	0.718697	1.39141	535.35	2716.50	2181.15
260	128.71	0.00106846	0.692763	1.44350	540.88	2718.31	2177.43
270	129.97	0.00106968	0.668687	1.49547	546.25	2720.04	2173.79
280	131.19	0.00107087	0.646274	1.54733	551.46	2721.72	2170.26
290	132.37	0.00107203	0.625355	1.59909	556.53	2723.33	2166.80
300	133.53	0.00107318	0.605785	1.65075	561.46	2724.89	2163.43
310	134.65	0.00107430	0.587436	1.70231	566.26	2726.40	2160.14
320	135.74	0.00107540	0.570196	1.75378	570.93	2727.86	2156.93
330	136.81	0.00107648	0.553966	1.80517	575.50	2729.27	2153.77
340	137.85	0.00107754	0.538658	1.85647	579.96	2730.64	2150.68
350	138.86	0.00107858	0.524196	1.90768	584.31	2731.97	2147.66
360	139.85	0.00107961	0.510510	1.95882	588.57	2733.25	2144.68
370	140.82	0.00108062	0.497539	2.00989	592.74	2734.51	2141.77
380	141.77	0.00108161	0.485228	2.06088	596.81	2735.72	2138.91
390	142.70	0.00108259	0.473527	2.11181	600.81	2736.91	2136.10
400	143.61	0.00108356	0.462392	2.16267	604.72	2738.06	2133.34
410	144.50	0.00108451	0.451781	2.21346	608.56	2739.18	2130.62
420	145.38	0.00108545	0.441658	2.26419	612.33	2740.27	2127.94
430	146.24	0.00108638	0.431990	2.31487	616.03	2741.33	2125.31
440	147.08	0.00108729	0.422747	2.36548	619.66	2742.37	2122.71
450	147.91	0.00108820	0.413900	2.41604	623.22	2743.39	2120.17
460	148.72	0.00108909	0.405425	2.46654	626.73	2744.38	2117.65
470	149.52	0.00108997	0.397299	2.51700	630.18	2745.34	2115.16
480	150.30	0.00109084	0.389499	2.56740	633.57	2746.28	2112.71
490	151.08	0.00109170	0.382007	2.61775	636.90	2747.21	2110.30
500	151.84	0.00109256	0.374804	2.66806	640.19	2748.11	2107.92
520	153.32	0.00109423	0.361202	2.76853	646.60	2749.85	2103.25
540	154.76	0.00109587	0.348573	2.86884	652.83	2751.52	2098.69
560	156.15	0.00109748	0.336816	2.96898	658.88	2753.12	2094.24
580	157.51	0.00109906	0.325842	3.06897	664.77	2754.66	2089.89
600	158.83	0.00110061	0.315575	3.16882	670.50	2756.14	2085.64
620	160.12	0.00110213	0.305948	3.26853	676.09	2757.56	2081.47
640	161.37	0.00110362	0.296902	3.36811	681.54	2758.93	2077.39
660	162.59	0.00110509	0.288386	3.46758	686.86	2760.25	2073.39
680	163.79	0.00110654	0.280353	3.56693	692.06	2761.52	2069.46

圧力 (MPa)	飽和温度 (°C)	比容積 (m ³ /kg)		比重量 (kg/m ³)	比エンタルピ (kJ/kg)		
		v'	v''		h'	h''	$r = h'' - h'$
0.70	164.95	0.00110797	0.272764	3.66617	697.14	2762.75	2065.61
0.80	170.41	0.00111479	0.240328	4.16099	721.02	2768.30	2047.28
0.90	175.36	0.00112118	0.214874	4.65390	742.72	2773.04	2030.32
1.00	179.89	0.00112723	0.194349	5.14539	762.68	2777.12	2014.44
1.10	184.07	0.00113299	0.177436	5.63584	781.20	2780.67	1999.47
1.20	187.96	0.00113850	0.163250	6.12558	798.50	2783.77	1985.27
1.30	191.61	0.00114380	0.151175	6.61486	814.76	2786.49	1971.73
1.40	195.05	0.00114892	0.140768	7.10389	830.13	2788.89	1958.76
1.50	198.30	0.00115387	0.131702	7.59288	844.72	2791.01	1946.29
1.60	201.38	0.00115868	0.123732	8.08198	858.61	2792.88	1934.27
1.70	204.31	0.00116336	0.116668	8.57133	871.89	2794.53	1922.64
1.80	207.12	0.00116792	0.110362	9.06107	884.61	2795.99	1911.38
1.90	209.81	0.00117238	0.104698	9.55129	896.84	2797.26	1900.42
2.00	212.38	0.00117675	0.0995805	10.0421	908.62	2798.38	1889.76
2.10	214.87	0.00118103	0.0949339	10.5336	919.99	2799.36	1879.37
2.20	217.26	0.00118524	0.0906953	11.0259	930.98	2800.20	1869.22
2.30	219.56	0.00118937	0.0868125	11.5191	941.63	2800.92	1859.29
2.40	221.80	0.00119343	0.0832421	12.0132	951.95	2801.54	1849.59
2.50	223.96	0.00119744	0.0799474	12.5082	961.98	2802.04	1840.06
2.60	226.05	0.00120139	0.0768973	13.0044	971.74	2802.45	1830.71
2.70	228.09	0.00120528	0.0740653	13.5016	981.24	2802.78	1821.54
2.80	230.05	0.00120913	0.0714285	14.0000	990.50	2803.02	1812.52
2.90	231.99	0.00121294	0.0689671	14.4997	999.54	2803.18	1803.64
3.00	233.86	0.00121670	0.0666641	15.0006	1008.37	2803.26	1794.89
3.10	235.68	0.00122042	0.0645044	15.5028	1017.00	2803.28	1786.28
3.20	237.46	0.00122411	0.0624748	16.0064	1025.45	2803.24	1777.79
3.30	239.20	0.00122777	0.0605639	16.5115	1033.72	2803.13	1769.41
3.40	240.90	0.00123139	0.0587614	17.0180	1041.83	2802.96	1761.13
3.50	242.56	0.00123498	0.0570582	17.5260	1049.78	2802.74	1752.96
3.60	244.19	0.00123855	0.0554463	18.0355	1057.57	2802.47	1744.90
3.70	245.78	0.00124209	0.0539183	18.5466	1065.23	2802.15	1736.92
3.80	247.33	0.00124560	0.0524678	19.0593	1072.76	2801.78	1729.02
3.90	248.86	0.00124910	0.0510890	19.5737	1080.15	2801.36	1721.21
4.00	250.36	0.00125257	0.0497766	20.0898	1087.43	2800.90	1713.47
4.10	251.83	0.00125602	0.0485259	20.6076	1094.58	2800.39	1705.81
4.20	253.27	0.00125946	0.0473326	21.1271	1101.63	2799.85	1698.22
4.30	254.68	0.00126288	0.0461927	21.6485	1108.57	2799.27	1690.70
4.40	256.07	0.00126628	0.0451027	22.1716	1115.40	2798.65	1683.25
4.50	257.44	0.00126966	0.0440593	22.6967	1122.14	2798.00	1675.86
4.60	258.78	0.00127304	0.0430596	23.2236	1128.79	2797.31	1668.52
4.70	260.10	0.00127639	0.0421009	23.7525	1135.34	2796.59	1661.25
4.80	261.40	0.00127974	0.0411806	24.2833	1141.81	2795.83	1654.02
4.90	262.68	0.00128308	0.0402964	24.8161	1148.20	2795.04	1646.84
5.00	263.94	0.00128641	0.0394463	25.3509	1154.50	2794.23	1639.73
5.10	265.18	0.00128972	0.0386282	25.8878	1160.73	2793.38	1632.65
5.20	266.41	0.00129303	0.0378403	26.4269	1166.88	2792.51	1625.63
5.30	267.61	0.00129633	0.0370811	26.9679	1172.97	2791.60	1618.63
5.40	268.80	0.00129962	0.0363488	27.5112	1178.98	2790.67	1611.69
5.50	269.97	0.00130291	0.0356422	28.0567	1184.92	2789.72	1604.79
5.60	271.12	0.00130619	0.0349597	28.6043	1190.81	2788.74	1597.93
5.70	272.26	0.00130947	0.0343003	29.1543	1196.63	2787.73	1591.10
5.80	273.38	0.00131274	0.0336627	29.7065	1202.39	2786.70	1584.31
5.90	274.49	0.00131601	0.0330458	30.2610	1208.09	2785.64	1577.55
6.00	275.59	0.00131927	0.0324487	30.8179	1213.73	2784.56	1570.83
6.10	276.67	0.00132253	0.0318703	31.3772	1219.32	2783.46	1564.14
6.20	277.73	0.00132579	0.0313098	31.9389	1224.86	2782.33	1557.47
6.30	278.79	0.00132905	0.0307664	32.5030	1230.34	2781.19	1550.85
6.40	279.83	0.00133231	0.0302392	33.0696	1235.78	2780.02	1544.24
6.50	280.86	0.00133557	0.0297276	33.6388	1241.17	2778.83	1537.66
6.60	281.88	0.00133882	0.0292308	34.2105	1246.51	2777.62	1531.11
6.70	282.88	0.00134208	0.0287482	34.7848	1251.81	2776.39	1524.58
6.80	283.88	0.00134534	0.0282792	35.3617	1257.06	2775.13	1518.07
6.90	284.86	0.00134860	0.0278231	35.9413	1262.27	2773.86	1511.59
7.00	285.83	0.00135186	0.0273796	36.5236	1267.44	2772.57	1505.13

圧力 (MPa)	飽和温度 (°C)	比容積 (m ³ /kg)		比重量 (kg/m ³)	比エンタルピ (kJ/kg)		
		v'	v''		h'	h''	$r = h'' - h'$
7.10	286.79	0.00135512	0.0269479	37.1086	1272.57	2771.26	1498.69
7.20	287.74	0.00135839	0.0265277	37.6964	1277.65	2769.93	1492.28
7.30	288.68	0.00136165	0.0261185	38.2870	1282.70	2768.58	1485.88
7.40	289.62	0.00136493	0.0257198	38.8805	1287.72	2767.21	1479.49
7.50	290.54	0.00136820	0.0253313	39.4769	1292.70	2765.82	1473.12
7.60	291.45	0.00137149	0.0249525	40.0761	1297.64	2764.41	1466.77
7.70	292.35	0.00137477	0.0245831	40.6784	1302.55	2762.99	1460.44
7.80	293.25	0.00137806	0.0242227	41.2837	1307.42	2761.55	1454.13
7.90	294.13	0.00138136	0.0238709	41.8920	1312.27	2760.09	1447.82
8.00	295.01	0.00138466	0.0235275	42.5034	1317.08	2758.61	1441.53
8.10	295.88	0.00138797	0.0231922	43.1179	1321.86	2757.12	1435.26
8.20	296.74	0.00139129	0.0228646	43.7357	1326.61	2755.60	1428.99
8.30	297.59	0.00139461	0.0225446	44.3566	1331.34	2754.07	1422.73
8.40	298.44	0.00139795	0.0222317	44.9808	1336.03	2752.52	1416.49
8.50	299.27	0.00140129	0.0219258	45.6084	1340.70	2750.96	1410.26
8.60	300.10	0.00140464	0.0216266	46.2392	1345.34	2749.38	1404.04
8.70	300.92	0.00140799	0.0213340	46.8735	1349.96	2747.78	1397.82
8.80	301.74	0.00141136	0.0210476	47.5113	1354.54	2746.16	1391.62
8.90	302.55	0.00141474	0.0207673	48.1525	1359.11	2744.53	1385.42
9.00	303.35	0.00141812	0.0204929	48.7973	1363.65	2742.88	1379.23
9.10	304.14	0.00142152	0.0202242	49.4457	1368.17	2741.22	1373.05
9.20	305.93	0.00142493	0.0199610	50.0978	1372.66	2739.53	1366.87
9.30	305.71	0.00142834	0.0197031	50.7535	1377.14	2737.83	1360.69
9.40	306.48	0.00143177	0.0194503	51.4130	1381.59	2736.12	1354.53
9.50	307.25	0.00143522	0.0192026	52.0764	1386.02	2734.38	1348.36
9.60	308.01	0.00143867	0.0189597	52.7436	1390.43	2732.64	1342.21
9.70	308.77	0.00144214	0.0187214	53.4147	1394.81	2730.87	1336.06
9.80	309.52	0.00144562	0.0184878	54.0898	1399.18	2729.09	1329.91
9.90	310.26	0.00144911	0.0182585	54.7689	1403.54	2727.29	1323.75
10.0	311.00	0.00145262	0.0180336	55.4521	1407.87	2725.47	1317.61
11.0	318.08	0.00148855	0.0159939	62.5239	1450.28	2706.39	1256.11
12.0	324.68	0.00152633	0.0142689	70.0822	1491.33	2685.58	1194.25
13.0	330.86	0.00156649	0.0127851	78.2159	1531.40	2662.89	1131.49
14.0	336.67	0.00160971	0.0114889	87.0408	1570.88	2638.09	1067.21
15.0	342.16	0.00165696	0.0103401	96.7109	1610.15	2610.86	1000.71
16.0	347.36	0.00170954	0.00930813	107.433	1649.67	2580.80	931.13
17.0	352.29	0.00176934	0.00836934	119.484	1690.04	2547.41	857.37
18.0	356.99	0.00183949	0.00749867	133.357	1732.02	2509.53	777.51
19.0	361.47	0.00192545	0.00667261	149.866	1776.89	2465.41	688.52
20.0	365.75	0.00203865	0.00585828	170.699	1827.10	2411.39	584.29
21.0	369.83	0.00221186	0.00498768	200.494	1889.40	2337.54	448.15
22.0	373.71	0.00275039	0.00357662	279.593	2021.92	2164.18	142.27
22.064	373.946	0.00310559	0.00310559	322	2087.55	2087.55	0

b) 表圧基準

圧力 (kPa)		飽和温度 (°C)	比容積 (m ³ /kg)		比重 (kg/m ³)	比エンタルピ					
ゲージ	絶対		v'	v''		(kJ/kg)			(kcal/kg)		
P	P	t	v'	v''	l/v''	h'	h''	$r=h''-h'$	h'	h''	r
0	101.325	100.00	0.00104371	1.67300	0.5977	419.064	2,676.0	2,256.9	100.1144	639.2964	539.1734
20	121.325	105.13	0.00104781	1.41353	0.7074	440.701	2,683.9	2,243.2	105.2835	641.1837	535.9002
40	141.325	109.60	0.00105135	1.22548	0.8160	459.599	2,690.7	2,231.1	109.7982	642.8082	533.0100
60	161.325	113.57	0.00105493	1.08272	0.9236	476.436	2,696.6	2,220.2	113.8206	644.2177	530.3972
80	181.325	117.16	0.00105808	0.97054	1.0304	491.662	2,701.8	2,210.2	117.4581	645.4600	528.0259
100	201.325	120.44	0.00106103	0.87999	1.1364	505.588	2,706.6	2,201.0	120.7850	646.6067	525.8218
120	221.325	123.46	0.00106381	0.80530	1.2418	518.444	2,710.9	2,192.5	123.8563	647.6340	523.7777
140	241.325	126.27	0.00106645	0.74261	1.3466	530.401	2,714.8	2,184.4	126.7128	648.5657	521.8529
160	261.325	128.90	0.00106895	0.68922	1.4509	541.593	2,718.4	2,176.8	129.3866	649.4258	520.0392
180	281.325	131.36	0.00107135	0.64318	1.5548	552.122	2,721.7	2,169.6	131.9019	650.2141	518.3122
200	301.325	133.69	0.00107365	0.60306	1.6582	562.072	2,724.9	2,162.8	134.2790	650.9786	516.6996
220	321.325	135.89	0.00107586	0.56778	1.7612	571.513	2,727.8	2,156.3	136.5345	651.6714	515.1370
240	341.325	138.00	0.00107799	0.53650	1.8639	580.500	2,730.5	2,150.0	138.6815	652.3165	513.6350
260	361.325	139.99	0.00108005	0.50857	1.9663	589.082	2,733.1	2,144.0	140.7317	652.9376	512.2059
280	381.325	141.90	0.00108205	0.48347	2.0684	597.298	2,735.5	2,138.2	142.6945	653.5110	510.8165
300	401.325	143.74	0.00108400	0.46079	2.1702	605.183	2,737.7	2,132.6	144.5782	654.0365	509.4822
320	421.325	145.50	0.00108587	0.44019	2.2717	612.766	2,739.9	2,127.2	146.3898	654.5621	508.1962
340	441.325	147.20	0.00108771	0.42140	2.3730	620.072	2,742.0	2,122.0	148.1352	655.0638	506.9525
360	461.325	148.84	0.00108950	0.40419	2.4741	627.125	2,744.0	2,116.9	149.8202	655.5416	505.7214
380	481.325	150.41	0.00109124	0.38835	2.5750	633.944	2,745.8	2,111.9	151.4492	655.9716	504.5224
400	501.325	151.94	0.00109295	0.37374	2.6757	640.546	2,747.6	2,107.1	153.0264	656.4016	503.3752
420	521.325	153.43	0.00109462	0.36021	2.7762	646.948	2,749.4	2,102.4	154.5559	656.8317	502.2519
440	541.325	154.85	0.00109625	0.34765	2.8765	653.161	2,751.0	2,097.8	156.0402	657.2139	501.1737
460	561.325	156.25	0.00109786	0.33595	2.9766	659.200	2,752.6	2,093.4	157.4829	657.5961	500.1133
480	581.325	157.61	0.00109942	0.32504	3.0765	665.075	2,754.1	2,089.0	158.8864	657.9545	499.0681
500	601.325	158.93	0.00110960	0.31482	3.1764	670.797	2,755.6	2,084.7	160.2534	658.3128	498.0355
520	621.325	160.20	0.00110248	0.30523	3.2762	676.374	2,757.0	2,080.6	161.5857	658.6473	497.0616
540	641.325	161.46	0.00110396	0.29623	3.3758	681.814	2,758.3	2,076.5	162.8854	658.9579	496.0725
560	661.325	162.68	0.00110543	0.28775	3.4752	687.127	2,759.6	2,072.4	164.1546	659.2684	495.0899
580	681.325	163.87	0.00110686	0.27975	3.5746	692.318	2,760.9	2,068.5	165.3948	659.5790	494.1603
600	701.325	165.04	0.00110828	0.27219	3.6739	697.394	2,762.1	2,064.6	166.6074	659.8657	493.2344
620	721.325	166.17	0.00110968	0.26504	3.7730	702.360	2,763.2	2,060.9	167.7938	660.1285	492.3586
640	741.325	167.28	0.00111105	0.25826	3.8721	707.222	2,764.4	2,057.2	168.9553	660.4152	491.4598
660	761.325	168.37	0.00111241	0.25182	3.9711	711.987	2,765.5	2,053.5	170.0937	660.6780	490.5843
680	781.325	169.44	0.00111375	0.24570	4.0700	716.656	2,766.5	2,049.9	171.2091	660.9169	489.7316
700	801.325	170.48	0.00111507	0.23988	4.1688	721.236	2,767.6	2,046.3	172.3033	661.1796	488.8525
720	821.325	171.51	0.00111638	0.23433	4.2675	725.729	2,768.6	2,042.8	173.3767	661.4185	488.0180
740	841.325	172.52	0.00111766	0.22903	4.3662	730.142	2,769.5	2,039.4	174.4309	661.6336	487.2026
760	861.325	173.50	0.00111893	0.22398	4.4647	734.475	2,770.5	2,036.0	175.4661	661.8275	486.4064
780	881.325	174.47	0.00112018	0.21914	4.5633	738.733	2,771.4	2,032.6	176.4833	662.0875	485.5803
800	901.325	175.42	0.00112143	0.21451	4.6618	742.919	2,772.2	2,029.3	177.4833	662.2786	484.7952
820	921.325	176.35	0.00112266	0.21008	4.7601	747.035	2,773.1	2,026.0	178.4667	662.4936	484.0030
840	941.325	177.27	0.00112387	0.20582	4.8586	751.085	2,773.9	2,022.8	179.4342	662.6847	483.2505
860	961.325	178.18	0.00112508	0.20174	4.9569	755.071	2,774.7	2,019.6	180.3865	662.8758	482.4894
880	981.325	179.07	0.00112627	0.19782	5.0551	758.995	2,775.5	2,016.5	181.3239	663.0670	481.7430
900	1,001.325	179.94	0.00112745	0.19405	5.1533	762.859	2,776.2	2,013.4	182.2470	663.2342	481.0111
920	1,021.325	180.81	0.00112861	0.19042	5.2515	766.667	2,776.9	2,010.3	183.1567	663.4014	480.2686
940	1,041.325	181.66	0.00112977	0.18693	5.3496	770.419	2,777.6	2,007.3	184.0531	663.5686	479.5394
960	1,061.325	182.49	0.00113091	0.18356	5.4478	774.117	2,778.3	2,004.3	184.9366	663.7359	478.8232
980	1,081.325	183.31	0.00113204	0.18031	5.5460	777.764	2,779.0	2,001.3	185.8078	663.9031	478.1192
1,000	1,101.325	184.12	0.00113316	0.17718	5.6440	781.361	2,779.7	1,998.3	186.6671	664.0703	477.4032

