

ТАБЛИЦА ФИЗИЧЕСКИХ СВОЙСТВ НАСЫЩЕННОГО ПАРА

Давление P bar (abs.)	Температура кипения T _s °C	Удельный объем V _g m ³ /k	Удельный вес ρ kg/m ³	Энтальпия кипящей воды h _f kJ/k	Энтальпия пара h _g kJ/k	Энтальпия парообразования (конденсации) h _{fg} kJ/kg
0.010	6.98	129.200	0.00774	29.34	2,514.40	2,485.00
0.015	13.04	87.980	0.01137	54.71	2,525.50	2,470.70
0.020	17.51	67.010	0.01492	73.46	2,533.60	2,460.20
0.025	21.10	54.260	0.01843	88.45	2,540.20	2,451.70
0.030	24.10	45.670	0.02190	101.00	2,545.60	2,444.60
0.035	26.69	39.480	0.02533	111.85	2,550.40	2,438.50
0.040	28.98	34.800	0.02873	121.41	2,554.50	2,433.10
0.045	31.04	31.140	0.03211	129.99	2,558.20	2,428.20
0.050	32.90	28.190	0.03547	137.77	2,561.60	2,423.80
0.055	34.61	25.770	0.03880	144.91	2,564.70	2,419.80
0.060	36.18	23.740	0.04212	151.50	2,567.50	2,416.00
0.065	37.65	22.020	0.04542	157.64	2,570.20	2,412.50
0.070	39.03	20.530	0.04871	163.38	2,572.60	2,409.20
0.075	40.32	19.240	0.05198	168.77	2,574.90	2,406.20
0.080	41.53	18.100	0.05523	173.86	2,577.10	2,403.20
0.085	42.69	17.100	0.05848	178.69	2,579.20	2,400.50
0.090	43.79	16.200	0.06171	183.28	2,581.10	2,397.90
0.095	44.83	15.400	0.06493	187.65	2,583.00	2,395.30
0.10	45.83	14.670	0.06814	191.83	2,584.80	2,392.90
0.15	54.00	10.020	0.09977	225.97	2,599.20	2,373.20
0.20	60.09	7.650	0.1307	251.45	2,609.90	2,358.40
0.25	64.99	6.204	0.1612	271.99	2,618.30	2,346.40
0.30	69.12	5.229	0.1912	289.30	2,625.40	2,336.10
0.40	75.89	3.993	0.2504	317.65	2,636.90	2,319.20
0.45	78.74	3.576	0.2796	329.64	2,641.70	2,312.00
0.50	81.35	3.240	0.3086	340.56	2,646.00	2,305.40
0.55	83.74	2.964	0.3374	350.61	2,649.90	2,299.30
0.60	85.95	2.732	0.3661	359.93	2,653.60	2,293.60
0.65	88.02	2.535	0.3945	368.62	2,656.90	2,288.30
0.70	89.96	2.365	0.4229	376.77	2,660.10	2,283.30
0.75	91.79	2.217	0.4511	384.45	2,663.00	2,278.60
0.80	93.51	2.087	0.4792	391.72	2,665.80	2,274.00
0.85	95.15	1.972	0.5071	398.63	2,668.40	2,269.80
0.90	96.71	1.869	0.5350	405.21	2,670.90	2,265.60
0.95	98.20	1.777	0.5627	411.49	2,673.20	2,261.70
1.00	99.63	1.694	0.5904	417.51	2,675.40	2,257.90
1.50	111.37	1.159	0.8628	467.13	2,693.40	2,226.20
2.00	120.23	0.885	1.1290	504.70	2,706.30	2,201.60
2.50	127.43	0.718	1.3920	535.34	2,716.40	2,181.00
3.00	133.54	0.606	1.6510	561.43	2,724.70	2,163.20
3.50	138.87	0.524	1.9080	584.27	2,731.60	2,147.40
4.00	143.62	0.462	2.1630	604.67	2,737.60	2,133.00
4.50	147.92	0.414	2.4170	623.16	2,742.90	2,119.70
5.00	151.84	0.375	2.6690	640.12	2,747.50	2,107.40
5.50	155.46	0.343	2.9200	655.78	2,751.70	2,095.90
6.00	158.84	0.316	3.1700	670.42	2,755.50	2,085.00
6.50	161.99	0.293	3.4190	684.12	2,758.80	2,074.00
7.00	164.96	0.273	3.6670	697.06	2,762.00	2,064.90
7.50	167.75	0.255	3.9150	709.29	2,764.80	2,055.50
8.00	170.41	0.240	4.1620	720.94	2,767.50	2,046.50
8.50	172.94	0.227	4.4090	732.02	2,769.90	2,037.90
9.00	175.36	0.215	4.6550	742.64	2,772.10	2,029.50
9.50	177.66	0.204	4.9010	752.81	2,774.20	2,021.40
10.00	179.88	0.194	5.1470	762.61	2,776.20	2,013.60
11.00	184.07	0.175	5.6370	781.13	2,779.70	1,998.50
12.00	187.96	0.163	6.1270	798.43	2,782.70	1,984.30
13.00	191.61	0.151	6.6170	814.70	2,785.40	1,970.70
14.00	195.04	0.141	7.1060	830.08	2,787.80	1,957.70
15.00	198.29	0.132	7.5960	844.67	2,789.90	1,945.20
16.00	201.37	0.124	8.0850	858.56	2,791.70	1,933.20
17.00	204.31	0.117	8.5750	871.84	2,793.40	1,921.50
18.00	207.11	0.110	9.0650	884.58	2,794.80	1,910.30
19.00	209.80	0.105	9.5550	896.81	2,796.10	1,899.30
20.00	212.37	0.100	10.0500	908.59	2,797.20	1,886.60
21.00	214.85	0.095	10.5400	919.96	2,798.20	1,878.20
22.00	217.24	0.091	11.0300	930.95	2,799.10	1,868.10
23.00	219.55	0.087	11.5200	941.60	2,799.80	1,858.20
24.00	221.78	0.083	12.0200	951.93	2,800.40	1,848.50
25.00	223.94	0.080	12.5100	961.96	2,800.90	1,839.00
26.00	226.04	0.077	13.0100	971.72	2,801.40	1,829.60
27.00	228.07	0.074	13.5100	981.22	2,801.70	1,820.50
28.00	230.05	0.071	14.0100	990.48	2,802.00	1,811.50
29.00	231.97	0.069	14.5100	999.53	2,802.20	1,802.60
30.00	233.84	0.067	15.0100	1,008.40	2,802.30	1,793.90
32.00	237.45	0.062	16.0200	1,025.40	2,802.30	1,776.90
34.00	240.88	0.059	17.0300	1,041.80	2,802.10	1,760.30
36.00	244.16	0.055	18.0500	1,057.60	2,801.70	1,744.20
38.00	247.31	0.052	19.0700	1,072.70	2,801.10	1,728.40
40.00	250.33	0.050	20.1000	1,087.40	2,800.30	1,712.90
42.00	253.24	0.047	21.1400	1,101.60	2,799.40	1,697.80
44.00	256.05	0.045	22.1800	1,115.40	2,798.30	1,682.90
46.00	258.75	0.043	23.2400	1,128.80	2,797.00	1,668.30
48.00	261.37	0.041	24.2900	1,141.80	2,795.70	1,653.90
50.00	263.91	0.039	25.3600	1,154.50	2,794.20	1,639.70
55.00	269.93	0.036	28.0700	1,184.90	2,789.90	1,605.00
60.00	275.55	0.032	30.8300	1,213.70	2,785.00	1,571.30
65.00	280.82	0.030	33.6500	1,241.10	2,779.50	1,538.40
70.00	285.79	0.027	36.5300	1,267.40	2,773.50	1,506.00
75.00	290.50	0.025	39.4800	1,292.70	2,766.90	1,474.20
80.00	294.97	0.024	42.5100	1,317.10	2,759.90	1,442.80
85.00	299.23	0.022	45.6100	1,340.70	2,752.50	1,411.70
90.00	303.31	0.021	48.7900	1,363.70	2,744.60	1,380.90
95.00	307.21	0.019	52.0600	1,386.10	2,736.40	1,350.20
100.00	310.96	0.018	55.4300	1,408.00	2,727.70	1,319.70
110.00	318.05	0.016	62.4800	1,450.60	2,709.30	1,258.70
120.00	324.65	0.014	70.0100	1,491.80	2,689.20	1,197.40
130.00	330.83	0.013	78.1400	1,532.00	2,667.00	1,135.00
140.00	336.64	0.012	86.9900	1,571.60	2,642.40	1,070.70
150.00	342.13	0.010	96.7100	1,611.00	2,615.00	1,004.00
160.00	347.33	0.009	107.4000	1,650.50	2,584.90	934.30
170.00	352.26	0.008	119.5000	1,691.70	2,551.60	859.90
180.00	356.96	0.007	133.4000	1,734.80	2,513.90	779.10
190.00	361.43	0.007	149.8000	1,778.70	2,470.60	692.00
200.00	365.70	0.006	170.2000	1,826.50	2,418.40	591.90
220.00	373.69	0.004	268.3000	2,011.10	2,195.60	184.50
221.20	374.15	0.003	315.5000	2,107.40	2,107.40	