

Table. Vapor pressure of helium 4 vs. temperature.

hPa	0	1	2	3	4	5	6	7	8	9
1.1	—	—	—	—	—	1.2504	1.2517	1.2530	1.2543	1.2556
1.2	1.2568	1.2581	1.2594	1.2606	1.2619	1.2631	1.2643	1.2656	1.2668	1.2680
1.3	1.2692	1.2704	1.2716	1.2727	1.2739	1.2751	1.2762	1.2774	1.2785	1.2797
1.4	1.2808	1.2819	1.2830	1.2842	1.2853	1.2864	1.2875	1.2885	1.2896	1.2907
1.5	1.2918	1.2928	1.2939	1.2950	1.2960	1.2971	1.2981	1.2991	1.3002	1.3012
1.6	1.3022	1.3032	1.3042	1.3052	1.3062	1.3072	1.3082	1.3092	1.3102	1.3111
1.7	1.3121	1.3131	1.3140	1.3150	1.3159	1.3169	1.3178	1.3188	1.3197	1.3206
1.8	1.3216	1.3225	1.3234	1.3243	1.3252	1.3261	1.3271	1.3280	1.3288	1.3297
1.9	1.3306	1.3315	1.3324	1.3333	1.3341	1.3350	1.3359	1.3367	1.3376	1.3385
2	1.3393	1.3477	1.3557	1.3635	1.3710	1.3783	1.3853	1.3921	1.3988	1.4052
3	1.4115	1.4176	1.4236	1.4294	1.4351	1.4407	1.4461	1.4514	1.4566	1.4617
4	1.4667	1.4717	1.4765	1.4812	1.4859	1.4904	1.4949	1.4993	1.5037	1.5079
5	1.5122	1.5163	1.5204	1.5244	1.5284	1.5323	1.5361	1.5400	1.5437	1.5474
6	1.5511	1.5547	1.5582	1.5618	1.5653	1.5687	1.5721	1.5755	1.5788	1.5821
7	1.5853	1.5885	1.5917	1.5949	1.5980	1.6011	1.6041	1.6072	1.6101	1.6131
8	1.6161	1.6190	1.6218	1.6247	1.6275	1.6303	1.6331	1.6359	1.6386	1.6413
9	1.6440	1.6467	1.6493	1.6519	1.6546	1.6571	1.6597	1.6622	1.6648	1.6673
10	1.6697	1.6722	1.6747	1.6771	1.6795	1.6819	1.6843	1.6866	1.6890	1.6913
11	1.6936	1.6959	1.6982	1.7005	1.7027	1.7049	1.7072	1.7094	1.7116	1.7137
12	1.7159	1.7181	1.7202	1.7223	1.7245	1.7266	1.7286	1.7307	1.7328	1.7348
13	1.7369	1.7389	1.7409	1.7429	1.7449	1.7469	1.7489	1.7509	1.7528	1.7548
14	1.7567	1.7586	1.7605	1.7624	1.7643	1.7662	1.7681	1.7699	1.7718	1.7736
15	1.7755	1.7773	1.7791	1.7809	1.7827	1.7845	1.7863	1.7881	1.7899	1.7916
16	1.7934	1.7951	1.7969	1.7986	1.8003	1.8020	1.8037	1.8054	1.8071	1.8088
17	1.8105	1.8121	1.8138	1.8155	1.8171	1.8187	1.8204	1.8220	1.8236	1.8252
18	1.8268	1.8284	1.8300	1.8316	1.8332	1.8348	1.8364	1.8379	1.8395	1.8410
19	1.8426	1.8441	1.8457	1.8472	1.8487	1.8502	1.8517	1.8532	1.8547	1.8562
20	1.8577	1.8592	1.8607	1.8622	1.8636	1.8651	1.8665	1.8680	1.8694	1.8709
21	1.8723	1.8738	1.8752	1.8766	1.8780	1.8794	1.8809	1.8823	1.8837	1.8851
22	1.8864	1.8878	1.8892	1.8906	1.8920	1.8933	1.8947	1.8961	1.8974	1.8988
23	1.9001	1.9015	1.9028	1.9041	1.9055	1.9068	1.9081	1.9094	1.9107	1.9121
24	1.9134	1.9147	1.9160	1.9173	1.9186	1.9198	1.9211	1.9224	1.9237	1.9250
25	1.9262	1.9275	1.9288	1.9300	1.9313	1.9325	1.9338	1.9350	1.9363	1.9375
26	1.9387	1.9400	1.9412	1.9424	1.9437	1.9449	1.9461	1.9473	1.9485	1.9497
27	1.9509	1.9521	1.9533	1.9545	1.9557	1.9569	1.9581	1.9593	1.9605	1.9616
28	1.9628	1.9640	1.9651	1.9663	1.9675	1.9686	1.9698	1.9709	1.9721	1.9732
29	1.9744	1.9755	1.9767	1.9778	1.9789	1.9801	1.9812	1.9823	1.9835	1.9846
30	1.9857	1.9868	1.9879	1.9890	1.9902	1.9913	1.9924	1.9935	1.9946	1.9957
31	1.9968	1.9979	1.9989	2.0000	2.0011	2.0022	2.0033	2.0044	2.0054	2.0065
32	2.0076	2.0087	2.0097	2.0108	2.0119	2.0129	2.0140	2.0150	2.0161	2.0171
33	2.0182	2.0192	2.0203	2.0213	2.0224	2.0234	2.0244	2.0255	2.0265	2.0275
34	2.0286	2.0296	2.0306	2.0317	2.0327	2.0337	2.0347	2.0357	2.0367	2.0378
35	2.0388	2.0398	2.0408	2.0418	2.0428	2.0438	2.0448	2.0458	2.0468	2.0478

hPa	0	1	2	3	4	5	6	7	8	9
36	2.0488	2.0498	2.0507	2.0517	2.0527	2.0537	2.0547	2.0557	2.0566	2.0576
37	2.0586	2.0596	2.0605	2.0615	2.0625	2.0634	2.0644	2.0654	2.0663	2.0673
38	2.0682	2.0692	2.0701	2.0711	2.0720	2.0730	2.0739	2.0749	2.0758	2.0768
39	2.0777	2.0787	2.0796	2.0805	2.0815	2.0824	2.0833	2.0843	2.0852	2.0861
40	2.0871	2.0880	2.0889	2.0898	2.0908	2.0917	2.0926	2.0935	2.0944	2.0953
41	2.0962	2.0972	2.0981	2.0990	2.0999	2.1008	2.1017	2.1026	2.1035	2.1044
42	2.1053	2.1062	2.1071	2.1080	2.1089	2.1098	2.1107	2.1116	2.1124	2.1133
43	2.1142	2.1151	2.1160	2.1169	2.1178	2.1186	2.1195	2.1204	2.1213	2.1221
44	2.1230	2.1239	2.1248	2.1256	2.1265	2.1274	2.1282	2.1291	2.1300	2.1308
45	2.1317	2.1325	2.1334	2.1343	2.1351	2.1360	2.1368	2.1377	2.1385	2.1394
46	2.1402	2.1411	2.1419	2.1428	2.1436	2.1445	2.1453	2.1462	2.1470	2.1479
47	2.1487	2.1495	2.1504	2.1512	2.1520	2.1529	2.1537	2.1545	2.1554	2.1562
48	2.1570	2.1579	2.1587	2.1595	2.1603	2.1612	2.1620	2.1628	2.1636	2.1645
49	2.1653	2.1661	2.1669	2.1677	2.1685	2.1694	2.1702	2.1710	2.1718	2.1726
50	2.1734	2.1815	2.1894	2.1973	2.2050	2.2127	2.2202	2.2277	2.2351	2.2424
60	2.2496	2.2568	2.2638	2.2708	2.2777	2.2846	2.2913	2.2980	2.3046	2.3112
70	2.3177	2.3241	2.3305	2.3368	2.3431	2.3493	2.3554	2.3615	2.3675	2.3735
80	2.3794	2.3853	2.3911	2.3969	2.4027	2.4083	2.4140	2.4196	2.4251	2.4306
90	2.4361	2.4415	2.4469	2.4522	2.4575	2.4628	2.4680	2.4732	2.4784	2.4835
100	2.4886	2.4936	2.4986	2.5036	2.5085	2.5134	2.5183	2.5232	2.5280	2.5328
110	2.5375	2.5423	2.5470	2.5516	2.5563	2.5609	2.5655	2.5700	2.5746	2.5791
120	2.5835	2.5880	2.5924	2.5968	2.6012	2.6056	2.6099	2.6142	2.6185	2.6227
130	2.6270	2.6312	2.6354	2.6396	2.6437	2.6478	2.6519	2.6560	2.6601	2.6642
140	2.6682	2.6722	2.6762	2.6801	2.6841	2.6880	2.6919	2.6958	2.6997	2.7036
150	2.7074	2.7112	2.7150	2.7188	2.7226	2.7264	2.7301	2.7338	2.7375	2.7412
160	2.7449	2.7486	2.7522	2.7558	2.7594	2.7630	2.7666	2.7702	2.7737	2.7773
170	2.7808	2.7843	2.7878	2.7913	2.7948	2.7982	2.8017	2.8051	2.8085	2.8119
180	2.8153	2.8187	2.8220	2.8254	2.8287	2.8320	2.8354	2.8387	2.8420	2.8452
190	2.8485	2.8518	2.8550	2.8582	2.8614	2.8647	2.8679	2.8710	2.8742	2.8774
200	2.8805	2.8837	2.8868	2.8899	2.8930	2.8961	2.8992	2.9023	2.9054	2.9084
210	2.9115	2.9145	2.9176	2.9206	2.9236	2.9266	2.9296	2.9326	2.9355	2.9385
220	2.9415	2.9444	2.9473	2.9503	2.9532	2.9561	2.9590	2.9619	2.9648	2.9676
230	2.9705	2.9734	2.9762	2.9791	2.9819	2.9847	2.9875	2.9903	2.9931	2.9959
240	2.9987	3.0015	3.0043	3.0070	3.0098	3.0125	3.0153	3.0180	3.0207	3.0234
250	3.0261	3.0288	3.0315	3.0342	3.0369	3.0396	3.0422	3.0449	3.0475	3.0502
260	3.0528	3.0554	3.0581	3.0607	3.0633	3.0659	3.0685	3.0711	3.0737	3.0762
270	3.0788	3.0814	3.0839	3.0865	3.0890	3.0915	3.0941	3.0966	3.0991	3.1016
280	3.1041	3.1066	3.1091	3.1116	3.1141	3.1166	3.1191	3.1215	3.1240	3.1264
290	3.1289	3.1313	3.1338	3.1362	3.1386	3.1410	3.1434	3.1458	3.1482	3.1506
300	3.1530	3.1554	3.1578	3.1602	3.1625	3.1649	3.1673	3.1696	3.1720	3.1743
310	3.1767	3.1790	3.1813	3.1836	3.1860	3.1883	3.1906	3.1929	3.1952	3.1975
320	3.1998	3.2021	3.2043	3.2066	3.2089	3.2111	3.2134	3.2157	3.2179	3.2202
330	3.2224	3.2246	3.2269	3.2291	3.2313	3.2335	3.2357	3.2380	3.2402	3.2424
340	3.2446	3.2468	3.2489	3.2511	3.2533	3.2555	3.2576	3.2598	3.2620	3.2641

hPa	0	1	2	3	4	5	6	7	8	9
350	3.2663	3.2684	3.2706	3.2727	3.2749	3.2770	3.2791	3.2812	3.2834	3.2855
360	3.2876	3.2897	3.2918	3.2939	3.2960	3.2981	3.3002	3.3023	3.3044	3.3064
370	3.3085	3.3106	3.3126	3.3147	3.3168	3.3188	3.3209	3.3229	3.3250	3.3270
380	3.3290	3.3311	3.3331	3.3351	3.3372	3.3392	3.3412	3.3432	3.3452	3.3472
390	3.3492	3.3512	3.3532	3.3552	3.3572	3.3592	3.3611	3.3631	3.3651	3.3671
400	3.3690	3.3710	3.3730	3.3749	3.3769	3.3788	3.3808	3.3827	3.3847	3.3866
410	3.3885	3.3905	3.3924	3.3943	3.3962	3.3982	3.4001	3.4020	3.4039	3.4058
420	3.4077	3.4096	3.4115	3.4134	3.4153	3.4172	3.4191	3.4209	3.4228	3.4247
430	3.4266	3.4284	3.4303	3.4322	3.4340	3.4359	3.4377	3.4396	3.4415	3.4433
440	3.4451	3.4470	3.4488	3.4507	3.4525	3.4543	3.4561	3.4580	3.4598	3.4616
450	3.4634	3.4652	3.4671	3.4689	3.4707	3.4725	3.4743	3.4761	3.4779	3.4797
460	3.4814	3.4832	3.4850	3.4868	3.4886	3.4904	3.4921	3.4939	3.4957	3.4974
470	3.4992	3.5010	3.5027	3.5045	3.5062	3.5080	3.5097	3.5115	3.5132	3.5150
480	3.5167	3.5184	3.5202	3.5219	3.5236	3.5254	3.5271	3.5288	3.5305	3.5322
490	3.5340	3.5357	3.5374	3.5391	3.5408	3.5425	3.5442	3.5459	3.5476	3.5493
500	3.5510	3.5527	3.5544	3.5560	3.5577	3.5594	3.5611	3.5628	3.5644	3.5661
510	3.5678	3.5694	3.5711	3.5728	3.5744	3.5761	3.5777	3.5794	3.5810	3.5827
520	3.5843	3.5860	3.5876	3.5893	3.5909	3.5925	3.5942	3.5958	3.5974	3.5991
530	3.6007	3.6023	3.6039	3.6056	3.6072	3.6088	3.6104	3.6120	3.6136	3.6152
540	3.6168	3.6185	3.6201	3.6217	3.6233	3.6248	3.6264	3.6280	3.6296	3.6312
550	3.6328	3.6344	3.6360	3.6375	3.6391	3.6407	3.6423	3.6438	3.6454	3.6470
560	3.6486	3.6501	3.6517	3.6532	3.6548	3.6564	3.6579	3.6595	3.6610	3.6626
570	3.6641	3.6657	3.6672	3.6688	3.6703	3.6718	3.6734	3.6749	3.6764	3.6780
580	3.6795	3.6810	3.6826	3.6841	3.6856	3.6871	3.6886	3.6902	3.6917	3.6932
590	3.6947	3.6962	3.6977	3.6992	3.7007	3.7022	3.7037	3.7053	3.7067	3.7082
600	3.7097	3.7112	3.7127	3.7142	3.7157	3.7172	3.7187	3.7202	3.7216	3.7231
610	3.7246	3.7261	3.7276	3.7290	3.7305	3.7320	3.7334	3.7349	3.7364	3.7378
620	3.7393	3.7408	3.7422	3.7437	3.7451	3.7466	3.7481	3.7495	3.7510	3.7524
630	3.7539	3.7553	3.7567	3.7582	3.7596	3.7611	3.7625	3.7639	3.7654	3.7668
640	3.7682	3.7697	3.7711	3.7725	3.7740	3.7754	3.7768	3.7782	3.7796	3.7811
650	3.7825	3.7839	3.7853	3.7867	3.7881	3.7895	3.7909	3.7924	3.7938	3.7952
660	3.7966	3.7980	3.7994	3.8008	3.8022	3.8036	3.8050	3.8063	3.8077	3.8091
670	3.8105	3.8119	3.8133	3.8147	3.8161	3.8174	3.8188	3.8202	3.8216	3.8229
680	3.8243	3.8257	3.8271	3.8284	3.8298	3.8312	3.8325	3.8339	3.8353	3.8366
690	3.8380	3.8394	3.8407	3.8421	3.8434	3.8448	3.8461	3.8475	3.8488	3.8502
700	3.8515	3.8529	3.8542	3.8556	3.8569	3.8583	3.8596	3.8609	3.8623	3.8636
710	3.8649	3.8663	3.8676	3.8689	3.8703	3.8716	3.8729	3.8742	3.8756	3.8769
720	3.8782	3.8795	3.8809	3.8822	3.8835	3.8848	3.8861	3.8874	3.8888	3.8901
730	3.8914	3.8927	3.8940	3.8953	3.8966	3.8979	3.8992	3.9005	3.9018	3.9031
740	3.9044	3.9057	3.9070	3.9083	3.9096	3.9109	3.9122	3.9135	3.9148	3.9160
750	3.9173	3.9186	3.9199	3.9212	3.9225	3.9237	3.9250	3.9263	3.9276	3.9289
760	3.9301	3.9314	3.9327	3.9340	3.9352	3.9365	3.9378	3.9390	3.9403	3.9416
770	3.9428	3.9441	3.9453	3.9466	3.9479	3.9491	3.9504	3.9516	3.9529	3.9541
780	3.9554	3.9567	3.9579	3.9592	3.9604	3.9617	3.9629	3.9641	3.9654	3.9666

hPa	0	1	2	3	4	5	6	7	8	9
790	3.9679	3.9691	3.9704	3.9716	3.9728	3.9741	3.9753	3.9765	3.9778	3.9790
800	3.9802	3.9815	3.9827	3.9839	3.9852	3.9864	3.9876	3.9888	3.9901	3.9913
810	3.9925	3.9937	3.9949	3.9962	3.9974	3.9986	3.9998	4.0010	4.0022	4.0034
820	4.0047	4.0059	4.0071	4.0083	4.0095	4.0107	4.0119	4.0131	4.0143	4.0155
830	4.0167	4.0179	4.0191	4.0203	4.0215	4.0227	4.0239	4.0251	4.0263	4.0275
840	4.0287	4.0299	4.0311	4.0322	4.0334	4.0346	4.0358	4.0370	4.0382	4.0394
850	4.0405	4.0417	4.0429	4.0441	4.0453	4.0464	4.0476	4.0488	4.0500	4.0511
860	4.0523	4.0535	4.0547	4.0558	4.0570	4.0582	4.0593	4.0605	4.0617	4.0628
870	4.0640	4.0651	4.0663	4.0675	4.0686	4.0698	4.0710	4.0721	4.0733	4.0744
880	4.0756	4.0767	4.0779	4.0790	4.0802	4.0813	4.0825	4.0836	4.0848	4.0859
890	4.0871	4.0882	4.0894	4.0905	4.0916	4.0928	4.0939	4.0951	4.0962	4.0973
900	4.0985	4.0996	4.1008	4.1019	4.1030	4.1042	4.1053	4.1064	4.1076	4.1087
910	4.1098	4.1109	4.1121	4.1132	4.1143	4.1154	4.1166	4.1177	4.1188	4.1199
920	4.1211	4.1222	4.1233	4.1244	4.1255	4.1266	4.1278	4.1289	4.1300	4.1311
930	4.1322	4.1333	4.1344	4.1355	4.1367	4.1378	4.1389	4.1400	4.1411	4.1422
940	4.1433	4.1444	4.1455	4.1466	4.1477	4.1488	4.1499	4.1510	4.1521	4.1532
950	4.1543	4.1554	4.1565	4.1576	4.1587	4.1598	4.1609	4.1619	4.1630	4.1641
960	4.1652	4.1663	4.1674	4.1685	4.1696	4.1706	4.1717	4.1728	4.1739	4.1750
970	4.1761	4.1771	4.1782	4.1793	4.1804	4.1814	4.1825	4.1836	4.1847	4.1857
980	4.1868	4.1879	4.1890	4.1900	4.1911	4.1922	4.1932	4.1943	4.1954	4.1965
990	4.1975	4.1986	4.1996	4.2007	4.2018	4.2028	4.2039	4.2050	4.2060	4.2071
1000	4.2081	4.2092	4.2103	4.2113	4.2124	4.2134	4.2145	4.2155	4.2166	4.2176
1010	4.2187	4.2197	4.2208	4.2218	4.2229	4.2239	4.2250	4.2260	4.2271	4.2281
1020	4.2292	4.2302	4.2313	4.2323	4.2333	4.2344	4.2354	4.2365	4.2375	4.2385
1030	4.2396	4.2406	4.2416	4.2427	4.2437	4.2447	4.2458	4.2468	4.2478	4.2489
1040	4.2499	4.2509	4.2520	4.2530	4.2540	4.2551	4.2561	4.2571	4.2581	4.2592
1050	4.2602	4.2612	4.2622	4.2633	4.2643	4.2653	4.2663	4.2673	4.2684	4.2694
1060	4.2704	4.2714	4.2724	4.2734	4.2745	4.2755	4.2765	4.2775	4.2785	4.2795
1070	4.2805	4.2815	4.2825	4.2836	4.2846	4.2856	4.2866	4.2876	4.2886	4.2896
1080	4.2906	4.2916	4.2926	4.2936	4.2946	4.2956	4.2966	4.2976	4.2986	4.2996
1090	4.3006	4.3016	4.3026	4.3036	4.3046	4.3056	4.3066	4.3076	4.3086	4.3096
1100	4.3106	4.3205	4.3303	4.3400	4.3498	4.3594	4.3690	4.3785	4.3880	4.3974
1200	4.4068	4.4161	4.4254	4.4346	4.4438	4.4529	4.4619	4.4710	4.4799	4.4888
1300	4.4977	4.5065	4.5153	4.5240	4.5327	4.5413	4.5499	4.5585	4.5670	4.5755
1400	4.5839	4.5923	4.6006	4.6089	4.6171	4.6254	4.6335	4.6417	4.6498	4.6578
1500	4.6659	4.6739	4.6818	4.6897	4.6976	4.7054	4.7132	4.7210	4.7287	4.7364
1600	4.7441	4.7517	4.7593	4.7669	4.7744	4.7819	4.7894	4.7969	4.8043	4.8116
1700	4.8190	4.8263	4.8336	4.8408	4.8480	4.8552	4.8624	4.8695	4.8766	4.8837
1800	4.8908	4.8978	4.9048	4.9117	4.9187	4.9256	4.9325	4.9393	4.9462	4.9530
1900	4.9598	4.9665	4.9732	4.9799	4.9866	4.9933	4.9999	—	—	—