

Sanatron Inc. - Table: Altitude vs. Pressure and Vacuum													
Altitude Meters	Altitude feet	Absolute Pressure (Torr)	milli Torr (absolute)	kPa (absolute)	mbar (absolute)	inHg (absolute)	psi (absolute)		Vacuum in Torr	Vacuum in kPa	Vacuum in mbar	Vacuum in inHg	Vacuum in psi
-5,000	-16,500	1332.7	1,332,700	177.67	1776.49	52.47	25.77		-572.70	-76.35	-763.41	-22.55	-11.07
-4,500	-14,850	1263.2	1,263,200	168.40	1683.85	49.73	24.43		-503.20	-67.08	-670.77	-19.81	-9.73
-4,000	-13,200	1196.7	1,196,700	159.54	1595.20	47.11	23.14		-436.70	-58.22	-582.12	-17.19	-8.44
-3,500	-11,550	1133.1	1,133,100	151.06	1510.42	44.61	21.91		-373.10	-49.74	-497.34	-14.69	-7.21
-3,000	-9,900	1072.2	1,072,200	142.94	1429.24	42.21	20.73		-312.20	-41.62	-416.16	-12.29	-6.03
-2,500	-8,250	1014.0	1,014,000	135.18	1351.66	39.92	19.61		-254.00	-33.86	-338.58	-10.00	-4.91
-2,000	-6,600	958.38	958,380	127.77	1277.52	37.73	18.53		-198.38	-26.45	-264.44	-7.81	-3.83
-1,500	-4,950	905.25	905,250	120.68	1206.70	35.64	17.50		-145.25	-19.36	-193.62	-5.72	-2.80
-1,000	-3,300	854.53	854,530	113.92	1139.09	33.64	16.52		-94.53	-12.60	-126.01	-3.72	-1.82
-500	-1,650	806.14	806,140	107.47	1074.58	31.74	15.59		-46.14	-6.15	-61.50	-1.82	-0.89
0	0	760.00	760,000	101.32	1013.08	29.92	14.70		0.00	0.00	0.00	0.00	0.00
500	1,641	716.01	716,010	95.46	954.44	28.19	13.85		43.99	5.86	58.64	1.73	0.85
1,000	3,281	674.11	674,110	89.87	898.59	26.54	13.04		85.89	11.45	114.49	3.38	1.66
1,500	4,922	634.22	634,220	84.55	845.42	24.97	12.26		125.78	16.77	167.66	4.95	2.44
2,000	6,562	596.26	596,260	79.49	794.81	23.47	11.53		163.74	21.83	218.27	6.45	3.17
2,500	8,203	560.16	560,160	74.68	746.69	22.05	10.83		199.84	26.64	266.39	7.87	3.87
3,000	9,843	525.85	525,850	70.10	700.96	20.70	10.17		234.15	31.22	312.12	9.22	4.53
3,500	11,484	493.27	493,270	65.76	657.53	19.42	9.54		266.73	35.56	355.55	10.50	5.16
4,000	13,124	462.33	462,330	61.64	616.29	18.20	8.94		297.67	39.68	396.79	11.72	5.76
4,500	14,765	432.99	432,990	57.72	577.18	17.05	8.37		327.01	43.60	435.90	12.87	6.33
5,000	16,405	405.18	405,180	54.02	540.10	15.95	7.83		354.82	47.30	472.98	13.97	6.87
5,500	18,046	378.83	378,830	50.50	504.98	14.91	7.33		381.17	50.82	508.10	15.01	7.37
6,000	19,686	353.88	353,880	47.18	471.72	13.93	6.84		406.12	54.14	541.36	15.99	7.86
6,500	21,327	330.28	330,280	44.03	440.26	13.00	6.39		429.72	57.29	572.82	16.92	8.31
7,000	22,967	307.98	307,980	41.06	410.54	12.13	5.96		452.02	60.26	602.54	17.79	8.74
7,500	24,608	286.90	286,900	38.25	382.44	11.30	5.55		473.10	63.07	630.64	18.62	9.15
8,000	26,248	267.02	267,020	35.60	355.94	10.51	5.16		492.98	65.72	657.14	19.41	9.54
8,500	27,889	248.26	248,260	33.10	330.93	9.77	4.80		511.74	68.22	682.15	20.15	9.90
9,000	29,529	230.58	230,580	30.74	307.36	9.08	4.46		529.42	70.58	705.72	20.84	10.24
9,500	31,170	213.94	213,940	28.52	285.18	8.42	4.14		546.06	72.80	727.90	21.50	10.56
10,000	32,810	198.28	198,280	26.43	264.31	7.81	3.83		561.72	74.89	748.77	22.11	10.87
10,500	34,451	183.57	183,570	24.47	244.70	7.23	3.55		576.43	76.85	768.38	22.69	11.15
11,000	36,091	169.75	169,750	22.63	226.28	6.68	3.28		590.25	78.69	786.80	23.24	11.42
11,500	37,732	156.88	156,880	20.91	209.12	6.18	3.03		603.12	80.41	803.96	23.74	11.67
12,000	39,372	144.98	144,980	19.33	193.26	5.71	2.80		615.02	81.99	819.82	24.21	11.90



426 South 1000 East STE708
Salt Lake City, UT 84102

Web: www.sanatron.com
Email: info@sanatron.com
Phone: (801) 876-0831

Sanatron Inc. - Table: Altitude vs. Pressure and Vacuum

Altitude Meters	Altitude feet	Absolute Pressure (Torr)	milli Torr (absolute)	kPa (absolute)	mbar (absolute)	inHg (absolute)	psi (absolute)		Vacuum in Torr	Vacuum in kPa	Vacuum in mbar	Vacuum in inHg	Vacuum in psi
12,500	41,013	133.99	133,990	17.86	178.61	5.28	2.59		626.01	83.46	834.47	24.64	12.11
13,000	42,653	123.83	123,830	16.51	165.07	4.88	2.39		636.17	84.81	848.01	25.04	12.31
13,500	44,294	114.44	114,440	15.26	152.55	4.51	2.21		645.56	86.06	860.53	25.41	12.49
14,000	45,934	105.77	105,770	14.10	140.99	4.16	2.05		654.23	87.22	872.09	25.76	12.65
14,500	47,575	97.752	97,752	13.03	130.30	3.85	1.89		662.25	88.29	882.78	26.07	12.81
15,000	49,215	90.341	90,341	12.04	120.42	3.56	1.75		669.66	89.28	892.66	26.36	12.95
15,500	50,856	83.492	83,492	11.13	111.29	3.29	1.61		676.51	90.19	901.79	26.63	13.09
16,000	52,496	77.162	77,162	10.29	102.86	3.04	1.49		682.84	91.03	910.22	26.88	13.21
16,500	54,137	71.312	71,312	9.51	95.06	2.81	1.38		688.69	91.81	918.02	27.11	13.32
17,000	55,777	65.905	65,905	8.79	87.85	2.59	1.27		694.10	92.53	925.23	27.33	13.43
17,500	57,418	60.908	60,908	8.12	81.19	2.40	1.18		699.09	93.20	931.89	27.52	13.52
18,000	59,058	56.290	56,290	7.50	75.03	2.22	1.09		703.71	93.82	938.05	27.70	13.61
18,500	60,699	52.023	52,023	6.94	69.35	2.05	1.01		707.98	94.38	943.73	27.87	13.69
19,000	62,339	48.078	48,078	6.41	64.09	1.89	0.93		711.92	94.91	948.99	28.03	13.77
19,500	63,980	44.433	44,433	5.92	59.23	1.75	0.86		715.57	95.40	953.85	28.17	13.84
20,000	65,620	41.065	41,065	5.47	54.74	1.62	0.79		718.94	95.85	958.34	28.30	13.91
20,500	67,261	37.955	37,955	5.06	50.59	1.49	0.73		722.05	96.26	962.49	28.43	13.97
21,000	68,901	35.087	35,087	4.68	46.77	1.38	0.68		724.91	96.64	966.31	28.54	14.02
21,500	70,542	32.441	32,441	4.32	43.24	1.28	0.63		727.56	97.00	969.84	28.64	14.07
22,000	72,182	30.000	30,000	4.00	39.99	1.18	0.58		730.00	97.32	973.09	28.74	14.12
22,500	73,823	27.748	27,748	3.70	36.99	1.09	0.54		732.25	97.62	976.09	28.83	14.16
23,000	75,463	25.670	25,670	3.42	34.22	1.01	0.50		734.33	97.90	978.86	28.91	14.20
23,500	77,104	23.751	23,751	3.17	31.66	0.94	0.46		736.25	98.15	981.42	28.98	14.24
24,000	78,744	21.980	21,980	2.93	29.30	0.87	0.43		738.02	98.39	983.78	29.05	14.27
24,500	80,385	20.344	20,344	2.71	27.12	0.80	0.39		739.66	98.61	985.96	29.12	14.31
25,000	82,025	18.834	18,834	2.51	25.11	0.74	0.36		741.17	98.81	987.97	29.18	14.34
25,500	83,666	17.438	17,438	2.32	23.24	0.69	0.34		742.56	99.00	989.84	29.23	14.36
26,000	85,306	16.149	16,149	2.15	21.53	0.64	0.31		743.85	99.17	991.55	29.28	14.39
26,500	86,947	14.958	14,958	1.99	19.94	0.59	0.29		745.04	99.33	993.14	29.33	14.41
27,000	88,587	13.857	13,857	1.85	18.47	0.55	0.27		746.14	99.47	994.61	29.37	14.43
27,500	90,228	12.839	12,839	1.71	17.11	0.51	0.25		747.16	99.61	995.97	29.41	14.45
28,000	91,868	11.898	11,898	1.59	15.86	0.47	0.23		748.10	99.73	997.22	29.45	14.47
28,500	93,509	11.027	11,027	1.47	14.70	0.43	0.21		748.97	99.85	998.38	29.49	14.49
29,000	95,149	10.223	10,223	1.36	13.63	0.40	0.20		749.78	99.96	999.45	29.52	14.50
29,500	96,790	9.4785	9,479	1.26	12.63	0.37	0.18		750.52	100.06	1000.45	29.55	14.52



426 South 1000 East STE708
Salt Lake City, UT 84102

Web: www.sanatron.com
Email: info@sanatron.com
Phone: (801) 876-0831

Sanatron Inc. - Table: Altitude vs. Pressure and Vacuum													
Altitude Meters	Altitude feet	Absolute Pressure (Torr)	milli Torr (absolute)	kPa (absolute)	mbar (absolute)	inHg (absolute)	psi (absolute)		Vacuum in Torr	Vacuum in kPa	Vacuum in mbar	Vacuum in inHg	Vacuum in psi
30,000	98,430	8.7897	8,790	1.17	11.72	0.35	0.17		751.21	100.15	1001.36	29.57	14.53
30,500	100,071	8.1522	8,152	1.09	10.87	0.32	0.16		751.85	100.23	1002.21	29.60	14.54
31,000	101,711	7.5623	7,562	1.01	10.08	0.30	0.15		752.44	100.31	1003.00	29.62	14.55
31,500	103,352	7.0162	7,016	0.94	9.35	0.28	0.14		752.98	100.38	1003.73	29.64	14.56
32,000	104,992	6.5106	6,511	0.87	8.68	0.26	0.13		753.49	100.45	1004.40	29.66	14.57
33,000	108,273	5.6121	5,612	0.75	7.48	0.22	0.11		754.39	100.57	1005.60	29.70	14.59
34,000	111,554	4.8463	4,846	0.65	6.46	0.19	0.09		755.15	100.67	1006.62	29.73	14.61
35,000	114,835	4.1922	4,192	0.56	5.59	0.17	0.08		755.81	100.76	1007.49	29.75	14.62
36,000	118,116	3.6326	3,633	0.48	4.84	0.14	0.07		756.37	100.84	1008.24	29.78	14.63
37,000	121,397	3.1530	3,153	0.42	4.20	0.12	0.06		756.85	100.90	1008.88	29.80	14.64
38,000	124,678	2.7411	2,741	0.37	3.65	0.11	0.05		757.26	100.95	1009.43	29.81	14.65
39,000	127,959	2.3868	2,387	0.32	3.18	0.09	0.05		757.61	101.00	1009.90	29.83	14.65
40,000	131,240	2.0815	2,082	0.28	2.77	0.08	0.04		757.92	101.04	1010.31	29.84	14.66
41,000	134,521	1.8181	1,818	0.24	2.42	0.07	0.04		758.18	101.08	1010.66	29.85	14.66
42,000	137,802	1.5903	1,590	0.21	2.12	0.06	0.03		758.41	101.11	1010.96	29.86	14.67
43,000	141,083	1.3931	1,393	0.19	1.86	0.05	0.03		758.61	101.13	1011.22	29.87	14.67
44,000	144,364	1.2221	1,222	0.16	1.63	0.05	0.02		758.78	101.16	1011.45	29.87	14.68
45,000	147,645	1.0735	1,074	0.14	1.43	0.04	0.02		758.93	101.18	1011.65	29.88	14.68
46,000	150,926	0.94440	944	0.13	1.26	0.04	0.02		759.06	101.19	1011.82	29.88	14.68
47,000	154,207	0.83186	832	0.11	1.11	0.03	0.02		759.17	101.21	1011.97	29.89	14.68
48,000	157,488	0.73321	733	0.10	0.98	0.03	0.01		759.27	101.22	1012.10	29.89	14.69
49,000	160,769	0.64626	646	0.09	0.86	0.03	0.01		759.35	101.23	1012.22	29.89	14.69
50,000	164,050	0.56963	570	0.08	0.76	0.02	0.01		759.43	101.24	1012.32	29.90	14.69
50,500	165,691	0.53479	535	0.07	0.71	0.02	0.01		759.47	101.25	1012.37	29.90	14.69
51,000	167,331	0.50208	502	0.07	0.67	0.02	0.01		759.50	101.25	1012.41	29.90	14.69
51,500	168,972	0.47129	471	0.06	0.63	0.02	0.01		759.53	101.26	1012.45	29.90	14.69
52,000	170,612	0.44225	442	0.06	0.59	0.02	0.01		759.56	101.26	1012.49	29.90	14.69
52,500	172,253	0.41485	415	0.06	0.55	0.02	0.01		759.59	101.26	1012.53	29.90	14.69
53,000	173,893	0.38903	389	0.05	0.52	0.02	0.01		759.61	101.27	1012.56	29.90	14.69
53,500	175,534	0.36468	365	0.05	0.49	0.01	0.01		759.64	101.27	1012.59	29.91	14.69
54,000	177,174	0.34175	342	0.05	0.46	0.01	0.01		759.66	101.27	1012.62	29.91	14.69
54,500	178,815	0.32014	320	0.04	0.43	0.01	0.01		759.68	101.28	1012.65	29.91	14.69
55,000	180,455	0.29979	300	0.04	0.40	0.01	0.01		759.70	101.28	1012.68	29.91	14.69
55,500	182,096	0.28064	281	0.04	0.37	0.01	0.01		759.72	101.28	1012.71	29.91	14.69
56,000	183,736	0.26262	263	0.04	0.35	0.01	0.01		759.74	101.28	1012.73	29.91	14.69



426 South 1000 East STE708
Salt Lake City, UT 84102

Web: www.sanatron.com
Email: info@sanatron.com
Phone: (801) 876-0831

Sanatron Inc. - Table: Altitude vs. Pressure and Vacuum													
Altitude Meters	Altitude feet	Absolute Pressure (Torr)	milli Torr (absolute)	kPa (absolute)	mbar (absolute)	inHg (absolute)	psi (absolute)		Vacuum in Torr	Vacuum in kPa	Vacuum in mbar	Vacuum in inHg	Vacuum in psi
56,500	185,377	0.24566	246	0.03	0.33	0.01	0.00		759.75	101.29	1012.75	29.91	14.70
57,000	187,017	0.22972	230	0.03	0.31	0.01	0.00		759.77	101.29	1012.77	29.91	14.70
57,500	188,658	0.21473	215	0.03	0.29	0.01	0.00		759.79	101.29	1012.79	29.91	14.70
58,000	190,298	0.20064	201	0.03	0.27	0.01	0.00		759.80	101.29	1012.81	29.91	14.70
58,500	191,939	0.18741	187	0.02	0.25	0.01	0.00		759.81	101.30	1012.83	29.91	14.70
59,000	193,579	0.17498	175	0.02	0.23	0.01	0.00		759.83	101.30	1012.85	29.91	14.70
59,500	195,220	0.16331	163	0.02	0.22	0.01	0.00		759.84	101.30	1012.86	29.91	14.70
60,000	196,860	0.15236	152	0.02	0.20	0.01	0.00		759.85	101.30	1012.88	29.91	14.70
60,500	198,501	0.14209	142	0.02	0.19	0.01	0.00		759.86	101.30	1012.89	29.91	14.70
61,000	200,141	0.13246	132	0.02	0.18	0.01	0.00		759.87	101.30	1012.90	29.91	14.70
61,500	201,782	0.12343	123	0.02	0.16	0.00	0.00		759.88	101.30	1012.92	29.92	14.70
62,000	203,422	0.11497	115	0.02	0.15	0.00	0.00		759.89	101.30	1012.93	29.92	14.70
62,500	205,063	0.10704	107	0.01	0.14	0.00	0.00		759.89	101.31	1012.94	29.92	14.70
63,000	206,703	0.099627	100	0.01	0.13	0.00	0.00		759.90	101.31	1012.95	29.92	14.70
63,500	208,344	0.092681	93	0.01	0.12	0.00	0.00		759.91	101.31	1012.96	29.92	14.70
64,000	209,984	0.086181	86	0.01	0.11	0.00	0.00		759.91	101.31	1012.97	29.92	14.70
64,500	211,625	0.080103	80	0.01	0.11	0.00	0.00		759.92	101.31	1012.97	29.92	14.70
65,000	213,265	0.074421	74	0.01	0.10	0.00	0.00		759.93	101.31	1012.98	29.92	14.70
65,500	214,906	0.069111	69	0.01	0.09	0.00	0.00		759.93	101.31	1012.99	29.92	14.70
66,000	216,546	0.064150	64	0.01	0.09	0.00	0.00		759.94	101.31	1012.99	29.92	14.70
66,500	218,187	0.059519	60	0.01	0.08	0.00	0.00		759.94	101.31	1013.00	29.92	14.70
67,000	219,827	0.055196	55	0.01	0.07	0.00	0.00		759.94	101.31	1013.01	29.92	14.70
67,500	221,468	0.051163	51	0.01	0.07	0.00	0.00		759.95	101.31	1013.01	29.92	14.70
68,000	223,108	0.047403	47	0.01	0.06	0.00	0.00		759.95	101.31	1013.02	29.92	14.70
68,500	224,749	0.043897	44	0.01	0.06	0.00	0.00		759.96	101.31	1013.02	29.92	14.70
69,000	226,389	0.040632	41	0.01	0.05	0.00	0.00		759.96	101.31	1013.03	29.92	14.70
69,500	228,030	0.037590	38	0.01	0.05	0.00	0.00		759.96	101.31	1013.03	29.92	14.70
70,000	229,670	0.034759	35	0.00	0.05	0.00	0.00		759.97	101.32	1013.03	29.92	14.70
70,500	231,311	0.032125	32	0.00	0.04	0.00	0.00		759.97	101.32	1013.04	29.92	14.70
71,000	232,951	0.029675	30	0.00	0.04	0.00	0.00		759.97	101.32	1013.04	29.92	14.70
71,500	234,592	0.027400	27	0.00	0.04	0.00	0.00		759.97	101.32	1013.04	29.92	14.70
72,000	236,232	0.025290	25	0.00	0.03	0.00	0.00		759.97	101.32	1013.05	29.92	14.70
72,500	237,873	0.023333	23	0.00	0.03	0.00	0.00		759.98	101.32	1013.05	29.92	14.70
73,000	239,513	0.021520	22	0.00	0.03	0.00	0.00		759.98	101.32	1013.05	29.92	14.70
73,500	241,154	0.019840	20	0.00	0.03	0.00	0.00		759.98	101.32	1013.05	29.92	14.70



426 South 1000 East STE708
Salt Lake City, UT 84102

Web: www.sanatron.com
Email: info@sanatron.com
Phone: (801) 876-0831

Sanatron Inc. - Table: Altitude vs. Pressure and Vacuum													
Altitude Meters	Altitude feet	Absolute Pressure (Torr)	milli Torr (absolute)	kPa (absolute)	mbar (absolute)	inHg (absolute)	psi (absolute)		Vacuum in Torr	Vacuum in kPa	Vacuum in mbar	Vacuum in inHg	Vacuum in psi
74,000	242,794	0.018284	18	0.00	0.02	0.00	0.00		759.98	101.32	1013.06	29.92	14.70
74,500	244,435	0.016843	17	0.00	0.02	0.00	0.00		759.98	101.32	1013.06	29.92	14.70
75,000	246,075	0.015510	16	0.00	0.02	0.00	0.00		759.98	101.32	1013.06	29.92	14.70
75,500	247,716	0.014277	14	0.00	0.02	0.00	0.00		759.99	101.32	1013.06	29.92	14.70
76,000	249,356	0.013136	13	0.00	0.02	0.00	0.00		759.99	101.32	1013.06	29.92	14.70
76,500	250,997	0.012082	12	0.00	0.02	0.00	0.00		759.99	101.32	1013.06	29.92	14.70

Reference:

<https://www.sanatron.com/articles/altitude-vs-pressure-and-vacuum.php>