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Barometric Readings and Atmospheric Pressure Corresponding To Different Altitudes

Altitude Above Sea Level (Feet)	Atmospheric Pressure (psi)	Barometric Pressure (inch of Hg)	Equivalent Water Head (Feet)	Boiling Point of Water (°F) At Barometric Pressure
0	14.7	30.0	33.9	212.1
500	14.4	29.4	33.2	211.1
1,000	14.2	29.4	32.8	210.1
1,500	13.9	28.3	32.1	209.2
2,000	13.6	27.7	31.3	208.0
2,500	13.4	27.2	30.7	207.2
3,000	13.1	26.7	30.2	206.3
3,500	12.9	26.2	29.8	205.4
4,000	12.6	25.7	29.1	204.4
4,500	12.4	25.2	28.5	203.5
5,000	12.1	24.7	27.9	202.5
5,500	11.9	24.3	27.4	201.7
6,000	11.7	23.8	27.0	200.7
6,500	11.5	23.4	26.5	199.9
7,000	11.2	22.9	26.0	198.9
7,500	11.0	22.5	25.4	197.9
8,000	10.8	22.1	24.9	197.2
8,500	10.6	21.7	24.4	196.2
9,000	10.4	21.2	24.0	195.1
9,500	10.2	20.8	23.5	194.2
10,000	10.0	20.4	23.0	193.3

Maximum Practical Suction Lift

(70% of theoretical siphon lift)

Maximum Theoretical Suction Lift @62° F	Altitude (feet)	Barometric Pressure (Psi)	Maximum Practical Lift at Altitudes and Temperatures Shown (Feet of lift)				
			60° F	70° F	80° F	90° F	100° F
33.94	0	14.6963	23.41	23.17	22.94	22.62	22.21
33.30	500	14.42	22.96	22.72	22.49	22.18	21.76
32.65	1000	14.14	22.51	22.27	22.04	21.72	21.31
32.03	1500	13.87	22.07	21.83	21.60	21.29	20.87
31.41	2000	13.60	21.64	21.40	21.17	20.85	20.44
30.81	2500	13.34	21.22	20.98	20.75	20.43	20.02
30.22	3000	13.08	20.80	20.57	20.34	20.02	19.61
29.65	3500	12.84	20.41	20.17	19.94	19.62	19.21
29.07	4000	12.59	20.00	19.76	19.53	19.22	18.80
28.52	4500	12.35	19.61	19.38	19.15	18.83	18.42
27.97	5000	12.11	19.23	18.99	18.76	18.45	18.03
27.44	5500	11.88	18.86	18.62	18.39	18.07	17.66
26.90	6000	11.65	18.48	18.24	18.01	17.07	17.28
26.40	6500	11.43	18.13	17.89	17.66	17.35	16.93
25.89	7000	11.21	17.77	17.54	17.30	16.99	16.58
25.38	7500	10.99	17.42	17.19	16.95	16.63	16.22
24.90	8000	10.78	17.08	16.84	16.61	16.30	15.88
24.41	8500	10.57	16.74	16.50	16.27	15.95	15.54
23.95	9000	10.37	16.42	16.18	15.95	15.63	15.22
23.49	9500	10.17	16.09	15.86	15.62	15.31	14.90
23.05	10000	9.98	15.79	15.55	15.32	15.00	14.59

Note: The values above have been adjusted to compensate for the approximate vapor pressures.