

Vacuum Gauge Reading When Read at Altitude

Altitude Above Sea Level (feet)	Altitude Above Sea Level (meters)	Atmospheric Pressure (psi)	Maximum Vacuum Level Attainable (inches Hg)	Vacuum Level Loss at Altitude	Maximum Vacuum Level Possible at this Altitude
0	0	14.70	29.921	-	-
1000	305	14.16	28.9	3.4%	96.6%
2000	610	13.66	27.8	7.1%	92.9%
3000	914	13.16	26.8	10.4%	89.6%
4000	1219	12.68	25.8	13.8%	86.2%
5000	1524	12.22	24.9	16.8%	83.2%
6000	1829	11.77	24.0	19.8%	80.2%
7000	2134	11.33	23.1	22.8%	77.2%
8000	2438	10.91	22.2	25.9%	74.1%
9000	2743	10.50	21.4	28.6%	71.4%
10,000	3048	10.10	20.6	31.3%	68.7%
11,000	3353	9.71	19.8	33.9%	66.1%
12,000	3658	9.34	19.0	36.5%	63.5%
13,000	3962	8.97	18.3	39.0%	61.0%
14,000	4267	8.62	17.5	41.4%	58.6%
15,000	4572	8.28	16.9	43.6%	56.4%

Conversion Chart:

Pg-psig	Pa-psia	In. Hg	-mbar	Torr	-mm Hg	% Vacuum
0.00	14.70	0	0.00	760.0	0.0	0.0
0.49	14.24	1	33.86	734.6	25.4	3.3
0.98	13.75	2	67.72	709.2	50.8	6.6
1.47	13.26	3	101.58	683.8	76.2	9.9
1.96	12.76	4	135.44	658.4	101.6	13.2
2.45	12.27	5	169.30	633.0	127.0	16.5
2.95	11.78	6	203.16	607.6	152.4	19.8
3.44	11.29	7	237.02	582.2	177.8	23.1
3.93	10.80	8	270.88	556.8	203.2	26.4
4.42	10.31	9	304.74	531.4	228.6	29.7
4.91	9.82	10	338.60	506.0	254.0	33.0
5.40	9.33	11	372.46	480.6	279.4	36.3
5.89	8.84	12	406.32	455.2	304.8	39.6
6.38	8.35	13	440.18	429.8	330.2	42.9
6.87	7.86	14	474.04	404.4	355.6	46.2
7.36	7.36	15	507.90	379.0	381.0	49.5
7.86	6.87	16	541.76	353.6	406.4	52.8
8.35	6.38	17	575.62	328.2	431.8	56.1
8.84	5.89	18	609.48	302.8	457.2	59.4
9.33	5.40	19	643.34	277.4	482.6	62.7
9.82	4.91	20	677.20	252.0	508.0	66.0
10.31	4.42	21	711.06	226.6	533.4	69.3
10.80	3.93	22	744.92	201.2	558.8	72.6
11.29	3.44	23	778.78	175.8	584.2	75.9
11.78	2.95	24	812.64	150.4	609.6	79.2
12.27	2.45	25	846.50	125.0	635.0	82.5
12.76	1.96	26	880.36	99.6	660.4	85.8
13.26	1.47	27	914.22	74.2	685.8	89.1
13.75	0.98	28	948.08	48.8	711.2	92.4
14.24	0.49	29	981.94	23.4	736.6	95.7
14.70	0.00	29.92	1013.00	0.0	760.0	100.0