

# Altitude Pressure and Temperature Charts

## Altitude Pressure Chart

Altitude Above Sea Level	
feet	inches Hg
-2000	32.15
-1000	31.02
0	29.92
1000	28.86
2000	27.82
3000	26.82
4000	25.84
5000	24.90
6000	23.98
7000	23.09
8000	22.23
9000	21.39
10000	20.58
11000	19.80
12000	19.03
13000	18.30
14000	17.58
15000	16.89
16000	16.22
17000	15.58
18000	14.95
19000	14.35
20000	13.76
21000	13.20
22000	12.65
23000	12.12
24000	11.61
25000	11.12
26000	10.64
27000	10.18
28000	9.741
29000	9.314
30000	8.903
31000	8.506
32000	8.124
33000	7.756
34000	7.401
35000	7.060

Altitude Above Sea Level	
feet	inches Hg
36000	6.732
37000	6.417
38000	6.117
39000	5.831
40000	5.558
41000	5.299
42000	5.051
43000	4.815
44000	4.590
45000	4.375
46000	4.171
47000	3.976
48000	3.790
49000	3.613
50000	3.444
51000	3.284
52000	3.130
53000	2.984
54000	2.845
55000	2.712
56000	2.585
57000	2.465
58000	2.350
59000	2.240
60000	2.135
61000	2.036
62000	1.941
63000	1.850
64000	1.764
65000	1.682
66000	1.603
67000	1.528
68000	1.457
69000	1.390
70000	1.325

Altitude Above Sea Level	
feet	inches Hg
71000	1.264
72000	1.205
73000	1.150
74000	1.097
75000	1.046
76000	.9980
77000	.9522
78000	.9085
79000	.8669
80000	.8273
81000	.7895
82000	.7535
83000	.7192
84000	.6865
85000	.6553
86000	.6256
87000	.5973
88000	.5703
89000	.5446
90000	.5200
91000	.4966
92000	.4743
93000	.4530
94000	.4327
95000	.4133
100000	.3290
110000	.2098
120000	.1358
130000	.0892
140000	.0595
150000	.0402
160000	.0275
170000	.0188
180000	.0128
190000	.0087
200000	.0058

# Temperature Conversion Table

Formula:  $^{\circ}\text{C} = \frac{5}{9} (^{\circ}\text{F} - 32^{\circ})$      $^{\circ}\text{F} = (\frac{9}{5}^{\circ}\text{C}) + 32^{\circ}$

$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$	$^{\circ}\text{C}$	$^{\circ}\text{F}$
0	32.0	17	62.6	34	93.2	51	123.8	68	154.4	85	185.0
1	33.8	18	64.4	35	95.0	52	125.6	69	156.2	86	186.8
2	35.6	19	66.2	36	96.8	53	127.4	70	158.0	87	188.6
3	37.4	20	68.0	37	98.6	54	129.2	71	159.8	88	190.4
4	39.2	21	69.8	38	100.4	55	131.0	72	161.6	89	192.2
5	41.0	22	71.6	39	102.2	56	132.8	73	163.4	90	194.0
6	42.8	23	73.4	40	104.0	57	134.6	74	165.2	91	195.8
7	44.6	24	75.2	41	105.8	58	136.4	75	167.0	92	197.6
8	46.4	25	77.0	42	107.6	59	138.2	76	168.8	93	199.4
9	48.2	26	78.8	43	109.4	60	140.0	77	170.6	94	201.2
10	50.0	27	80.6	44	111.2	61	141.8	78	172.4	95	203.0
11	51.8	28	82.4	45	113.0	62	143.6	79	174.2	96	204.8
12	53.6	29	84.2	46	114.8	63	145.4	80	176.0	97	206.6
13	55.4	30	86.0	47	116.6	64	147.2	81	177.8	98	208.4
14	57.2	31	87.8	48	118.4	65	149.0	82	179.6	99	210.2
15	59.0	32	89.6	49	120.2	66	150.8	83	181.4	100	212.0
16	60.8	33	91.4	50	122.0	67	152.6	84	183.2		

# Pressure Conversion Formulas

Into > Multiply by to convert	PSI	"H <sub>2</sub> O (15°C)	mmHg (0°C)	"Hg (0°C)	Millibar	Bar	Kg/Cm <sup>2</sup>
PSI	•	27.70	51.71	2.036	68.95	0.06895	0.07031
"H <sub>2</sub> O (15°C)	0.03609	•	1.867	0.07349	2.489	0.002489	0.002538
mmHg (0°C)	0.01934	0.5357	•	0.03937	1.3333	0.0013333	0.0013596
"Hg (0°C)	0.4912	13.61	25.40	•	33.86	0.03386	0.03453
Millibar	0.0145	0.4018	0.750062	0.02953	•	0.001	0.0010197
Bar	14.50	401.8	750.062	29.53	1000	•	1.0197
Kg/Cm <sup>2</sup>	14.33	394.05	735.559	28.96	980.7	0.9807	•