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Pressure Conversion Table

Use the following table to easily convert pressure between different pressure units.

inches water ("w.c)	ounces/ sq in (osi)	lb/ sq in (psi)	inches mercury ("Hg)	millibars (mbar)	kilograms/ sq cm (kg/cm ²)	millimeters water (mm H ₂ O)	kilo-pascals (kPa)
.04	.023	.001	.003	.1	.0001	1	.01
.1	.058	.004	.007	.25	.0003	2.54	.02
.17	.1	.006	.013	.42	.0004	4.4	.04
.2	.115	.007	.015	.5	.0005	5.08	.05
.35	.2	.013	.026	.87	.0009	8.8	.09
.39	.227	.014	.029	.97	.001	10	.1
.40	.23	.015	.029	1	.0010	10.2	.1
.5	.29	.018	.037	1.24	.0013	12.7	.12
.787	.45	.028	.058	1.96	.002	20	.2
.80	.46	.029	.059	2	.0020	20.4	.2
.87	.5	.031	.064	2.16	.0022	22	.22
1	.58	.036	.074	2.49	.0025	25.4	.25
1.73	1	.063	.127	4.30	.0044	44	.43
2	1.15	.072	.147	4.98	.0051	50.8	.5
2.01	1.16	.073	.148	5	.0051	51	.5
2.77	1.6	.1	.204	6.89	.0070	70.3	.69
3	1.73	.108	.221	7.46	.0076	76.2	.75
3.46	2	.125	.254	8.61	.0088	87.9	.86
4	2.31	.144	.294	9.95	.010	101.6	1
4.02	2.32	.145	.296	10	.010	102	1
5	2.89	.181	.368	12.5	.013	127	1.25
5.2	3	.188	.382	12.9	.013	131.9	1.29
5.54	3.2	.2	.407	13.8	.014	140.7	1.38
6	3.46	.216	.441	14.9	.015	152.4	1.49
6.93	4	.25	.51	17.2	.018	175.8	1.72
7	4.04	.253	.515	17.4	.018	177.8	1.74
8	4.62	.289	.588	19.9	.020	203.2	1.99
8.03	4.64	.29	.591	20	.020	204	2
8.66	5	.313	.637	21.5	.022	219.8	2.15
9	5.2	.325	.662	22.4	.023	228.6	2.24
10	5.77	.361	.735	24.9	.025	254	2.49
10.39	6	.375	.764	25.9	.026	263.8	2.59
11	6.35	.397	.809	27.4	.028	279.4	2.74
12	6.93	.433	.882	29.9	.030	304.8	2.99
12.05	6.96	.435	.887	30	.031	306	3
12.12	7	.438	.891	30.2	.031	307.7	3.02
13	7.51	.469	.956	32.4	.033	330.2	3.24
13.6	7.85	.491	1	33.8	.035	345.4	3.38
13.86	8	.5	1.02	34.5	.035	351.6	3.45
14	8.08	.505	1.03	34.9	.036	355.5	3.49
15	8.66	.541	1.10	37.4	.038	381	3.74
15.59	9	.563	1.15	38.8	.04	395.6	3.88

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16	9.24	.578	1.18	39.8	.041	406.4	3.98
16.06	9.28	.58	1.18	40	.041	408	4
17	9.82	.614	1.25	42.3	.043	431.8	4.23
17.32	10	.625	1.27	43.1	.044	439.6	4.31
18	10.39	.649	1.32	44.8	.046	457.2	4.48
19	10.97	.686	1.4	47.3	.048	482.6	4.73
19.05	11	.688	1.40	47.4	.048	483.6	4.74
20	11.55	.722	1.47	49.8	.051	508	4.98
20.1	11.6	.725	1.48	50	.051	510	5
20.78	12	.75	1.53	51.7	.053	528	5.17
21	12.12	.758	1.54	52.3	.053	533	5.23
22	12.7	.794	1.62	54.8	.056	559	5.48
22.52	13	.813	1.66	56.0	.057	572	5.60
23	13.28	.83	1.69	57.3	.058	584	5.73
24	13.86	.866	1.76	59.7	.061	610	5.98
24.1	13.92	.87	1.77	60	.061	612	6
24.25	14	.875	1.78	60.3	.062	615	6.03
25	14.43	.902	1.84	62.3	.064	635	6.23
25.98	15	.938	1.91	64.6	.066	659	6.46
26	15.01	.938	1.91	64.7	.066	660	6.47
27	15.59	.974	1.99	67.2	.069	686	6.72
27.2	15.7	.982	2	67.7	.069	711	6.77
27.71	16	1	2.04	68.9	.070	703	6.89
28	16.17	1.01	2.06	69.7	.071	711	6.97
28.11	16.24	1.02	2.07	70	.071	714	7
29	16.74	1.05	2.13	72.2	.074	737	7.22
29.44	17	1.06	2.16	73.3	.075	747	7.33
30	17.32	1.08	2.21	74.7	.076	762	7.47
31	17.9	1.12	2.28	77.2	.079	787	7.72
31.18	18	1.13	2.29	77.6	.079	791	7.76
32	18.48	1.16	2.35	79.7	.081	813	7.97
32.13	18.56	1.16	2.36	80	.082	816	8
32.91	19	1.19	2.42	81.9	.084	835	8.19
33	19.05	1.19	2.43	82.2	.084	838	8.22
34	19.63	1.23	2.5	84.7	.086	864	8.47
34-64	20	1.25	2.55	86.2	.088	879	8.62
35	20.21	1.26	2.57	87.2	.089	889	8.72
36	20.79	1.3	2.65	89.6	.091	914	8.96
36.14	20.88	1.31	2.66	90	.092	918	9
36.37	21	1.31	2.67	90.5	.092	923	9.05
37	21.36	1.34	2.72	92.1	.094	940	9.21
38	21.94	1.37	2.79	94.6	.097	965	9.46
38.1	22	1.38	2.80	94.8	.097	967	9.48
39	22.52	1.41	2.87	97.1	.099	991	9.71
39.37	22.73	1.42	2.89	98.0	.1	1000	9.80
39.84	23	1.44	2.93	99.1	.101	1011	9.91

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40	23.09	1.44	2.94	99.6	.102	1016	9.96
40.16	23.20	1.45	2.96	100	.102	1020	10
40.8	23.56	1.47	3	101.5	.104	1036	10.2
41	23.67	1.48	3.01	102.0	.104	1041	10.2
41.57	24	1.5	3.06	103.4	.106	1055	10.3
42	24.25	1.52	3.09	104.5	.107	1067	10.5
43	24.83	1.55	3.16	107	.109	1092	10.7
43.3	25	1.56	3.18	107.7	.11	1099	10.8
44	25.4	1.59	3.24	109.5	.112	1118	11
45	26	1.63	3.31	112	.114	1144	11.2
46	26.56	1.66	3.38	114.5	.117	1168	11.5
46.76	27	1.69	3.44	116.3	.118	1184	11.6
47	27.14	1.7	3.46	116.9	.119	1194	11.7
48	27.71	1.73	3.53	119.4	.122	1219	12
48.5	28	1.75	3.57	120.7	.123	1232	12.1
49	28.29	1.77	3.60	121.9	.124	1245	12.2
50	28.87	1.80	3.68	124.4	.127	1270	12.5
50.23	29	1.81	3.69	125	.128	1276	12.5
51	29.45	1.84	3.75	126.9	.13	1295	12.7
51.96	30	1.88	3.82	129.3	.132	1320	12.9
52	30.02	1.88	3.82	129.4	.132	1321	12.9
53	30.6	1.91	3.9	131.9	.135	1346	13.2
53.69	31	1.94	3.95	133.6	.136	1364	13.4
54	31.18	1.95	3.97	134.4	.137	1372	13.4
54.4	31.41	1.96	4	135.4	.138	1382	13.5
55.4	32	2	4.07	137.8	.141	1408	13.8
68	39.26	2.45	5	169.2	.173	1727	16.9
78.7	45.46	2.84	5.79	195.8	.2	2000	19.6
80.32	46.4	2.9	5.91	200	.204	2040	20
81.6	47.11	2.94	6	203	.207	2072	20.3
83.14	48	3	6.11	207	.211	2112	20.7
95.2	55	3.44	7	237	.242	2418	23.7
108.8	62.8	3.93	8	271	.276	2763	27.1
110.8	64	4	8.15	276	.282	2816	27.6
120.5	69.6	4.35	8.87	300	.306	3060	30
138.6	80	5	10.2	345	.352	3517	34.5
160.6	92.8	5.8	11.8	400	.408	4080	40
166.3	96	6	12.2	414	.422	4223	41.4
194	112	7	14.3	483	.493	4927	48.3
196.9	113.7	7.1	14.5	490	.5	5000	49.0
200.8	116	7.25	14.8	500	.510	5100	50
221.7	128	8	16.3	552	.563	5631	55.2
241	139	8.7	17.7	600	.612	6120	60
249.4	144	9	18.3	621	.634	6335	62.1
277.1	160	10	20.4	689	.703	7033	68.9

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281.1	162	10.15	20.7	700	.714	7140	70
321.3	186	11.6	23.6	800	.816	8160	80
361.4	209	13.05	26.6	900	.918	9180	90
393.7	227	14.21	28.9	980	1	10,000	98.0
401.6	232	14.5	29.6	1000	1.02	10,200	100
415.7	240	15	30.6	1034	1.06	10,559	103.4
554	320	20	40.7	1378	1.41	14,072	137.8
693	400	25	51	1724	1.76	17,602	172.4
831	480	30	61.1	2068	2.11	21,107	206.8
970	560	35	71.3	2414	2.46	24,638	241.3
1108	640	40	81.5	2757	2.81	28,143	275.8
1386	800	50	101.9	3449	3.52	35,204	344.7
1663	960	60	122.3	4138	4.22	42,240	413.7
1940	1120	70	142.6	4827	4.93	49,276	482.6
2217	1280	80	163.0	5516	5.63	56,312	551.6
2494	1440	90	183.4	6206	6.33	63,348	620.5
2771	1600	100	203.8	6895	7.04	70,383	689.5