

Application Data

Temp. & Pressure Conversion Chart

Temperature Conversions Chart

Degrees F (Fahrenheit)	Degrees K (Kelvin)	Degrees C (Celsius)
-40	233.15	-40.00
-20	253.15	-28.89
0	273.15	-17.78
20	293.15	-6.67
40	313.15	4.44
60	333.15	15.56
80	353.15	26.67
100	373.15	37.78
120	393.15	48.89
140	413.15	60.00
160	433.15	71.11
180	453.15	82.22
200	473.15	93.33
220	493.15	104.44

Degrees F (Fahrenheit)	Degrees K (Kelvin)	Degrees C (Celsius)
240	513.15	115.56
260	533.15	126.67
280	553.15	137.78
300	573.15	148.89
320	593.15	160.00
340	613.15	171.11
360	633.15	182.22
380	653.15	193.33
400	673.15	204.44
420	693.15	215.56
440	713.15	226.67
460	733.15	237.78
480	753.15	248.89
500	773.15	260.00

Pressure Conversions Chart

PSI (lbs/square inch)	kPa (kilo pascals)	bar	atm	mm Hg
0	0.00	0.00	0.00	0.00
10	68.95	0.69	0.68	517.15
20	137.89	1.38	1.36	1034.30
30	206.84	2.07	2.04	1551.44
40	275.79	2.76	2.72	2068.59
50	344.73	3.45	3.40	2585.74
60	413.68	4.14	4.08	3102.89
70	482.63	4.83	4.76	3620.03
80	551.58	5.52	5.44	4137.18
90	620.53	6.21	6.12	4654.33
100	689.47	6.89	6.80	5171.48
110	758.42	7.58	7.49	5688.62
120	827.37	8.27	8.17	6205.77
130	896.31	8.96	8.86	6722.92
140	965.26	9.65	9.53	7240.07
150	1034.21	10.34	10.21	7757.21
160	1103.16	11.03	10.89	8274.36
170	1172.10	11.72	11.57	8791.50
180	1241.05	12.41	12.25	9308.66
190	1309.99	13.10	12.93	9825.80
200	1378.95	13.79	13.61	10342.95
210	1447.89	14.48	14.29	10860.10
220	1516.84	15.17	14.98	11377.25
230	1585.79	15.86	15.66	11894.39
240	1654.74	16.55	16.33	12411.54

PSI (lbs/square inch)	kPa (kilo pascals)	bar	atm	mm Hg
250	1723.68	17.25	17.01	12928.69
260	1792.63	17.93	17.69	13445.84
270	1861.58	18.62	18.37	13962.98
280	1930.53	19.31	19.05	14480.13
290	1999.47	19.99	19.73	14997.28
300	2068.42	20.68	20.41	15514.43
310	2137.37	21.37	21.09	16031.57
320	2206.31	22.06	21.77	16548.72
330	2275.26	22.75	22.46	17065.87
340	2344.21	23.44	23.14	17583.01
350	2413.16	24.13	23.82	18100.16
400	2757.89	27.58	27.22	20685.90
450	3102.63	31.03	30.62	23271.64
500	3447.37	34.47	34.02	25857.38
1000	6894.73	68.95	68.05	51714.75
1250	8618.41	86.18	85.06	64643.44
1500	10342.10	103.42	102.07	77572.12
1750	12065.78	120.66	119.08	90500.81
2000	13789.47	137.90	136.09	103429.50
2250	15513.15	155.13	153.10	116358.19
2500	17236.83	172.37	170.11	129286.88
2750	18960.52	189.60	187.13	142215.57
3000	20684.20	206.84	204.14	155144.26
4000	27578.93	275.79	272.18	206859.01
5000	34473.67	344.74	340.23	258573.76

Pressure = 1 atm = 1.01325 x 10⁵ N/m² (Pa_a) = 101.325 kPa = 1.01325 bars
 = 1.01325 x 10⁶ dynes/cm²
 = 760 mm Hg at 0°C (torr) = 10.333 m H₂O at 4°C
 = 14.696 lbf/in.² (psi) = 33.9 ft H₂O at 4°C
 = 29.921 in Hg at 0°C