

Pressure units cross reference chart

AIN 00.08

PSI	atms	in. H2O	mm H2O	cm H2O	oz/in2	kg/cm2	in Hg	mm Hg	cm Hg	mbar	bar	Pa	kPa	mPa
1	0.06805	27.68	703.1	70.31	16.00	0.07031	2.036	51.72	5.172	68.95	0.06895	6895	6.895	0.006895
14.70	1	406.8	10332	1033	235.1	1.033	29.92	760.0	76.00	1013	1.013	101325	101.3	0.1013
0.03613	0.002458	1	25.40	2.540	0.5780	0.002540	0.07356	1.868	0.1868	2.491	0.002491	249.1	0.2491	0.00025
0.001422	9.678E-05	0.03937	1	0.1000	0.02276	1.000E-04	0.002896	0.07355	0.007355	0.09806	9.806E-05	9.806	0.009806	0.000010
0.01422	0.000968	0.3937	10.00	1	0.2276	0.0010	0.02896	0.7356	0.07356	0.9807	0.0009807	98.07	0.09807	0.00010
0.0625	0.004253	1.730	43.94	4.394	1	0.004394	0.1273	3.232	0.3232	4.309	0.004309	430.9	0.4309	0.0004309
14.22	0.9678	393.7	10000	1000	227.6	1	28.96	735.6	73.56	980.7	0.9807	98066	98.07	0.098066
0.49115	0.03342	13.59	345.3	34.53	7.858	0.03453	1	25.40	2.540	33.86	0.03386	3386	3.386	0.003386
0.01934	0.001316	0.5352	13.60	1.360	0.3094	0.001360	0.03937	1	0.1000	1.33	0.001333	133.3	0.1333	0.0001333
0.1934	0.01316	5.352	136.0	13.60	3.094	0.01360	0.3937	10	1	13.33	0.01333	1333	1.333	0.001333
0.0145	0.0009869	0.4015	10.20	1.020	0.2321	0.001020	0.02953	0.7501	0.07501	1	0.001000	100.0	0.10000	0.0001
14.50	0.9869	401.5	10197	1020	232.1	1.020	29.53	750.1	75.01	1000	1	100000	100.0	0.1000
0.000145	9.867E-06	0.004014	0.1019	0.01019	0.002320	1.019E-05	0.0002952	0.007499	0.000750	0.01000	9.9974E-06	1	0.0009997	0.000001
0.1450	0.009869	4.015	102.0	10.20	2.321	0.01020	0.2953	7.501	0.7501	10.00	0.01000	1000	1	0.001
145.0	9.869	4014	101968	10197	2321	10.20	295.3	7500	750.0	10000	10.00	1000000	1000	1

To use this chart:

1. Find the column with the units you want to convert **from**.
2. Move down that column until you find the "1".
3. Staying in the same **row**, move horizontally to the column with the units you are converting **to**.
4. Multiply the number in that box by the amount you are changing from to get the converted value.

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How to convert from °Celsius to °Fahrenheit, or °Fahrenheit to °Celsius

Locate the known temperature (either Fahrenheit or Celsius) in the center shaded column. Read left to convert from Celsius to Fahrenheit, or right to convert from Fahrenheit to Celsius

To °F	From	To °C	To °F	From	To °C	To °F	From	To °C	To °F	From	To °C	To °F	From	To °C	To °F	From	To °C
-148.0	-100	-73.33	75.2	24	-4.44	288.4	148	64.44	521.6	272	133.33	744.8	366	202.22	968.0	520	271.11
-144.4	-98	-72.22	78.8	26	-3.33	302.0	150	65.56	525.2	274	134.44	748.4	368	203.33	971.6	522	272.22
-140.8	-96	-71.11	82.4	28	-2.22	305.6	152	66.67	528.8	276	135.56	752.0	400	204.44	975.2	524	273.33
-137.2	-94	-70.00	86.0	30	-1.11	309.2	154	67.78	532.4	278	136.67	755.6	402	205.56	978.8	526	274.44
-130.0	-92	-68.89	89.6	32	0.00	312.8	156	68.89	536.0	280	137.78	759.2	404	206.67	982.4	528	275.56
-126.4	-90	-67.78	93.2	34	1.11	316.4	158	70.00	539.6	282	138.89	762.8	406	207.78	986.0	530	276.67
-122.8	-88	-66.70	96.8	36	2.22	320.0	160	71.11	543.2	284	140.00	766.4	408	208.89	989.6	532	277.78
-119.2	-86	-65.56	100.4	38	3.33	323.6	162	72.22	546.8	286	141.11	770.0	410	210.00	993.2	534	278.89
-115.6	-84	-64.44	104.0	40	4.44	327.2	164	73.33	550.4	288	142.22	773.6	412	211.11	996.8	536	280.00
-112.0	-82	-63.33	107.6	42	5.56	330.8	166	74.44	554.0	290	143.33	777.2	414	212.22	1000.4	538	281.11
-108.4	-80	-62.22	111.2	44	6.67	334.4	168	75.56	557.6	292	144.44	780.8	416	213.33	1004.0	540	282.22
-104.8	-78	-61.11	114.8	46	7.78	338.0	170	76.67	561.2	294	145.56	784.4	418	214.44	1007.6	542	283.33
-101.2	-76	-60.00	118.4	48	8.89	341.6	172	77.78	564.8	296	146.67	788.0	420	215.56	1011.2	544	284.44
-97.6	-74	-58.89	122.0	50	10.00	345.2	174	78.89	568.4	298	147.78	791.6	422	216.67	1014.8	546	285.56
-94.0	-72	-57.78	125.6	52	11.11	348.8	176	80.00	572.0	300	148.89	795.2	424	217.78	1018.4	548	286.67
-90.4	-70	-56.67	129.2	54	12.22	352.4	178	81.11	575.6	302	150.00	798.8	426	218.89	1022.0	550	287.78
-86.8	-68	-55.56	132.8	56	13.33	356.0	180	82.22	579.2	304	151.11	802.4	428	220.00	1040.0	560	293.33
-86.8	-66	-54.44	136.4	58	14.44	359.6	182	83.33	586.8	306	152.22	806.0	430	221.11	1058.0	570	298.89
-83.2	-64	-53.33	140.0	60	15.56	363.2	184	84.44	596.0	308	153.33	809.6	432	222.22	1076.0	580	304.44
-79.6	-62	-52.22	143.6	62	16.67	366.8	186	85.56	599.6	310	154.44	813.2	434	223.33	1094.0	590	310.00
-76.0	-60	-51.11	147.2	64	17.78	370.4	188	86.67	593.6	312	155.56	816.8	436	224.44	1112.0	600	315.56
-72.4	-58	-50.00	150.8	66	18.89	374.0	190	87.78	597.2	314	156.67	820.4	438	225.56	1130.0	610	321.11
-68.8	-56	-48.89	154.4	68	20.00	377.6	192	88.89	600.8	316	157.78	824.0	440	226.67	1148.0	620	326.67
-65.2	-54	-47.78	158.0	70	21.11	381.2	194	90.00	604.4	318	158.89	827.6	442	227.78	1166.0	630	332.22
-61.6	-52	-46.67	161.6	72	22.22	384.8	196	91.11	608.0	320	160.00	831.2	444	228.89	1184.0	640	337.78
-58.0	-50	-45.56	165.2	74	23.33	388.4	198	92.22	611.6	322	161.11	834.8	446	229.00	1202.0	650	343.33
-54.4	-48	-44.44	168.8	76	24.44	392.0	200	93.33	615.2	324	162.22	838.4	448	231.11	1220.0	660	348.89
-50.8	-46	-43.33	172.4	78	25.56	395.6	202	94.44	618.8	326	163.33	842.0	450	232.22	1238.0	670	354.44
-47.2	-44	-42.22	176.0	80	26.67	399.2	204	95.56	622.4	328	164.44	845.6	452	233.33	1256.0	680	360.00
-43.6	-42	-41.11	179.6	82	27.78	402.8	206	96.67	626.0	330	165.56	849.2	452	234.44	1274.0	690	365.56
-40.0	-40	-40.00	183.2	84	28.89	406.4	208	97.78	629.6	332	166.67	852.8	454	235.56	1292.0	700	371.11
-36.4	-38	-38.89	186.8	86	30.00	410.0	210	98.89	633.2	334	167.78	856.4	456	236.67	1310.0	710	376.67
-32.8	-36	-37.78	190.4	88	31.11	413.6	212	100.00	636.8	336	168.89	860.0	458	237.78	1328.0	720	382.22
-29.2	-34	-36.67	194.0	90	32.22	417.2	214	101.11	640.4	338	170.00	863.6	460	238.89	1346.0	730	387.78
-25.6	-32	-35.56	197.6	92	33.33	420.8	216	102.22	644.0	340	171.11	867.2	462	240.00	1364.0	740	393.33
-22.0	-30	-34.44	201.2	94	34.44	424.4	218	103.33	647.6	342	172.22	870.8	464	241.11	1382.0	750	398.89
-18.4	-28	-33.33	204.8	96	35.56	428.0	220	104.44	651.2	344	173.33	874.4	466	242.22	1400.0	760	404.44
-14.8	-26	-32.22	208.4	98	36.67	431.6	222	105.56	654.8	346	174.44	878.0	468	243.33	1418.0	770	410.00
-11.2	-24	-31.11	212.0	100	37.78	435.2	224	106.67	658.4	348	175.56	881.6	470	244.44	1436.0	780	415.56
-7.6	-22	-30.00	215.6	102	38.89	438.8	226	107.78	662.0	350	176.67	885.2	472	245.56	1454.0	790	421.11
-4.0	-20	-28.89	219.2	104	40.00	442.4	228	108.89	665.6	352	177.78	888.8	474	246.67	1472.0	800	426.67
-0.4	-18	-27.78	222.8	106	41.11	446.0	230	110.00	669.2	354	178.89	892.4	476	247.78	1490.0	810	432.22
3.3	-16	-26.67	226.4	108	42.22	449.6	232	111.11	672.8	356	180.00	896.0	478	248.89	1508.0	820	437.78
6.8	-14	-25.56	230.0	110	43.33	453.2	234	112.22	676.4	358	181.11	899.6	480	250.00	1526.0	830	443.33
10.4	-12	-24.44	233.6	112	44.44	456.8	236	113.33	680.0	360	182.22	903.2	482	251.11	1544.0	840	448.89
14.0	-10	-23.33	237.2	114	45.56	460.4	238	114.44	683.6	362	183.33	906.8	484	252.22	1562.0	850	454.44
17.6	-8	-22.22	240.8	116	46.67	464.0	240	115.56	687.2	364	184.44	910.4	486	253.33	1580.0	860	460.00
21.2	-6	-21.11	244.4	118	47.78	467.6	242	116.67	690.8	366	185.56	914.0	488	254.44	1598.0	870	465.56
24.8	-4	-20.00	248.0	120	48.89	471.2	244	117.78	694.4	368	186.67	917.6	490	255.56	1616.0	880	471.11
28.4	-2	-18.89	251.6	122	50.00	474.8	246	118.89	698.0	370	187.78	921.2	492	256.67	1634.0	890	476.67
32.0	0	-17.78	255.2	124	51.11	478.4	248	120.00	701.6	372	188.89	924.8	494	257.78	1652.0	900	482.22
35.6	2	-16.67	258.8	126	52.22	482.0	250	121.11	705.2	374	190.00	928.4	496	258.89	1670.0	910	487.78
39.2	4	-15.56	262.4	128	53.33	485.6	252	122.22	708.8	376	191.11	932.0	498	260.00	1688.0	920	493.33
42.8	6	-14.44	266.0	130	54.44	489.2	254	123.33	712.4	378	192.22	935.6	500	261.11	1706.0	930	498.89
46.4	8	-13.33	269.6	132	55.56	492.8	256	124.44	716.0	380	193.33	939.2	502	262.22	1724.0	940	504.44
50.0	10	-12.22	273.2	134	56.67	496.4	258	125.56	719.6	382	194.44	942.8	504	263.33	1742.0	950	510.00
53.6	12	-11.11	276.8	136	57.78	500.0	260	126.67	723.2	384	195.56	946.4	506	264.44	1760.0	960	515.56
57.2	14	-10.00	280.4	138	58.89	503.6	262	127.78	726.8	386	196.67	950.0	508	265.56	1778.0	970	521.11
60.8	16	-8.89	284.0	140	60.00	507.2	264	128.89	730.4	388	197.78	953.6	510	266.67	1796.0	980	526.67
64.4	18	-7.78	287.6	142	61.11	510.8	266	130.00	734.0	390	198.89	957.2	512	267.78	1814.0	990	532.22
68.0	20	-6.67	291.2	144	62.22	514.4	268	131.11	737.6	392	200.00	960.8	514	268.89	1832.0	1000	537.78
71.6	22	-5.56	294.8	146	63.33	518.0	270	132.22	741.2	394	201.11	964.4	516	270.00	1850.0		

$$^{\circ}\text{F} = (9/5^{\circ}\text{C}) + 32 \qquad ^{\circ}\text{C} = 5/9 (^{\circ}\text{F} - 32)$$