

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			
-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			
-144.4	-98	-72.22	78.8	26	-3.33	302.0	150	65.56	525.2	274	134.44	748.4	388	203.33			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-86.8	-66	-54.44	136.4	58	14.44	359.6	182	83.33	582.8	306	152.22	806.0	430	221.11			
-83.2	-64	-53.33	140.0	60	15.56	363.2	184	84.44	586.4	308	153.33	809.6	432	222.22			
-79.6	-62	-52.22	143.6	62	16.67	366.8	186	85.56	590.0	310	154.44	813.2	434	223.33			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-43.6	-42	-41.11	179.6	82	27.78	402.8	206	96.67	626.0	330	165.56	849.2	454	234.44			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
-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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
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			
															1832.0	1000	537.78

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

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