

# Pressure Conversion Tables

**Pressures in Pounds per Square Inch, Corresponding to Head of Water in Feet**

HEAD FEET	PSI (Ga.)	HEAD FEET	PSI (Ga.)	HEAD FEET	PSI (Ga.)
1	0.433	51	22.083	101	43.733
2	0.866	52	22.516	102	44.166
3	1.299	53	22.949	103	44.599
4	1.732	54	23.382	104	45.032
5	2.165	55	23.815	105	45.565
6	2.598	56	24.248	106	45.898
7	3.031	57	24.681	107	46.331
8	3.464	58	25.114	108	46.764
9	3.897	59	25.547	109	47.197
10	4.330	60	25.980	110	47.630
11	4.763	61	26.413	111	48.063
12	5.196	62	26.846	112	48.496
13	5.629	63	27.279	113	48.929
14	6.062	64	27.712	114	49.362
15	6.495	65	28.145	115	49.795
16	6.928	66	28.578	116	50.228
17	7.361	67	29.011	117	50.661
18	7.794	68	29.444	118	51.094
19	8.227	69	29.877	119	51.527
20	8.660	70	30.310	120	51.960
21	9.093	71	30.743	121	52.393
22	9.526	72	31.176	122	52.826
23	9.959	73	31.609	123	53.259
24	10.392	74	32.042	124	53.692
25	10.825	75	32.475	125	54.125
26	11.258	76	32.908	126	54.558
27	11.691	77	33.341	127	54.991
28	12.124	78	33.774	128	55.424
29	12.557	79	34.207	129	55.857
30	12.990	80	34.640	130	56.290
31	13.423	81	35.073	131	56.723
32	13.856	82	35.506	132	57.156
33	14.289	83	35.939	133	57.589
34	14.722	84	36.372	134	58.022
35	15.155	85	36.805	135	58.455
36	15.588	86	37.238	136	58.888
37	16.021	87	37.671	137	59.321
38	16.454	88	38.104	138	59.754
39	16.887	89	38.537	139	60.187
40	17.320	90	38.970	140	60.620
41	17.753	91	39.403	141	61.053
42	18.186	92	39.836	142	61.486
43	18.619	93	40.269	143	61.919
44	19.052	94	40.702	144	62.352
45	19.485	95	41.135	145	62.785
46	19.918	96	41.568	146	63.218
47	20.351	97	42.001	147	63.651
48	20.784	98	42.434	148	64.084
49	21.217	99	42.867	149	64.517
50	21.650	100	43.300	150	64.950

**Head of Water in Feet, Corresponding to Pressures in Pounds per Square Inch**

PSI (Ga.)	HEAD FEET	PSI (Ga.)	HEAD FEET	PSI (Ga.)	HEAD FEET
1	2.31	51	117.78	101	233.26
2	4.62	52	120.09	102	235.57
3	6.93	53	122.40	103	237.88
4	9.24	54	124.71	104	240.19
5	11.55	55	127.02	105	242.50
6	13.86	56	129.33	106	244.81
7	16.17	57	131.64	107	247.12
8	18.48	58	133.95	108	249.43
9	20.79	59	136.26	109	251.74
10	23.09	60	138.57	110	254.05
11	25.40	61	140.88	111	256.36
12	27.71	62	143.19	112	258.67
13	30.02	63	145.50	113	260.98
14	32.33	64	147.81	114	263.29
15	34.64	65	150.12	115	265.60
16	36.95	66	152.43	116	267.91
17	39.26	67	154.73	117	270.22
18	41.57	68	157.04	118	272.53
19	43.88	69	159.35	119	274.84
20	46.19	70	161.66	120	277.15
21	48.50	71	163.97	121	279.46
22	50.81	72	166.28	122	281.77
23	53.12	73	168.59	123	284.08
24	55.43	74	170.90	124	286.39
25	57.74	75	173.21	125	288.70
26	60.05	76	175.52	126	291.01
27	62.35	77	177.83	127	293.32
28	64.66	78	180.14	128	295.63
29	66.97	79	182.45	129	297.94
30	69.28	80	184.76	130	300.25
31	71.59	81	187.07	131	302.56
32	73.90	82	189.38	132	304.87
33	76.21	83	191.69	133	307.18
34	78.52	84	194.00	134	309.49
35	80.83	85	196.30	135	311.80
36	83.14	86	198.61	136	314.11
37	85.45	87	200.92	137	316.42
38	87.76	88	203.23	138	318.73
39	90.07	89	205.54	139	321.04
40	92.38	90	207.85	140	323.35
41	94.69	91	210.16	141	325.66
42	97.00	92	212.47	142	327.97
43	99.31	93	214.78	143	330.28
44	101.62	94	217.09	144	332.59
45	103.93	95	219.40	145	334.90
46	106.24	96	221.71	146	337.21
47	108.54	97	224.02	147	339.52
48	110.85	98	226.33	148	341.83
49	113.16	99	228.64	149	344.14
50	115.47	100	230.95	150	346.45

At 62°F, water weighs 62.354 lbs. per cubic foot; 1 foot head = 0.433 lbs. per square inch (gauge); 1 lb. per square inch (gauge) = 2.30947 feet head; 1 atmosphere = 14.7 lbs. per square inch (gauge) = 33.95 feet head.