

PSI to Feet of Head Conversion Chart (1 – 100 psi)

Basis: water density 1000 kg/m³, g = 9.80665 m/s²; 1 psi = 6894.757 Pa; 1 ft = 0.3048 m. Sino-Inst · sino-inst.com

psi	ft H ₂ O	m H ₂ O
1	2.31	0.703
2	4.61	1.406
3	6.92	2.109
4	9.23	2.812
5	11.53	3.515
6	13.84	4.218
7	16.15	4.921
8	18.45	5.625
9	20.76	6.328
10	23.07	7.031
11	25.37	7.734
12	27.68	8.437
13	29.99	9.140
14	32.29	9.843
15	34.60	10.546
16	36.91	11.249
17	39.21	11.952
18	41.52	12.655

psi	ft H ₂ O	m H ₂ O
19	43.83	13.358
20	46.13	14.061
25	57.67	17.577
30	69.20	21.092
35	80.73	24.607
40	92.27	28.123
45	103.80	31.638
50	115.33	35.153
55	126.87	38.669
60	138.40	42.184
65	149.93	45.700
70	161.47	49.215
75	173.00	52.730
80	184.53	56.246
85	196.07	59.761
90	207.60	63.276
95	219.13	66.792
100	230.67	70.307

Feet of Head to PSI Conversion Chart (1 – 300 ft)

Basis: water density 1000 kg/m3, g = 9.80665 m/s2; 1 psi = 6894.757 Pa; 1 ft = 0.3048 m. Sino-Inst · sino-inst.com

ft H2O	psi	bar
1	0.434	0.0299
2	0.867	0.0598
3	1.301	0.0897
4	1.734	0.1196
5	2.168	0.1495
6	2.601	0.1793
7	3.035	0.2092
8	3.468	0.2391
9	3.902	0.2690
10	4.335	0.2989
15	6.503	0.4484
20	8.671	0.5978
25	10.838	0.7473
30	13.006	0.8967
35	15.173	1.0462
40	17.341	1.1956
45	19.509	1.3451
50	21.676	1.4945
55	23.844	1.6440
60	26.012	1.7934
65	28.179	1.9429
70	30.347	2.0923
75	32.515	2.2418
80	34.682	2.3913

ft H2O	psi	bar
85	36.850	2.5407
90	39.017	2.6902
95	41.185	2.8396
100	43.353	2.9891
110	47.688	3.2880
120	52.023	3.5869
130	56.359	3.8858
140	60.694	4.1847
150	65.029	4.4836
160	69.364	4.7825
170	73.700	5.0814
180	78.035	5.3803
190	82.370	5.6792
200	86.706	5.9781
210	91.041	6.2770
220	95.376	6.5759
230	99.711	6.8749
240	104.047	7.1738
250	108.382	7.4727
260	112.717	7.7716
270	117.052	8.0705
280	121.388	8.3694
290	125.723	8.6683
300	130.058	8.9672