

PRESSURE CORRESPONDING TO HEAD OF WATER¹

Head (m)	Pressure (kPa)	Head (m)	Pressure (kPa)	Head (m)	Pressure (kPa)
1	9.796	50	489.80	350	3428.6
2	19.592	60	587.76	400	3918.4
3	29.388	70	685.72	450	4408.2
4	39.184	80	783.68	500	4898.0
5	48.980	90	881.64	1000	9796.0
6	58.776	100	979.6		
7	68.572	120	1175.5		
8	78.368	140	1371.4		
9	88.164	160	1567.4		
10	97.96	180	1763.3		
20	195.92	200	1959.2		
30	293.88	250	2449.0		
40	391.84	300	2938.8		

1. Calculated for water at maximum density (4° or 39.2°F), when P in psi = 0.4334 H in feet, and P in kilopascals = 9.796 H in metres. At 20°C and one atmosphere, one foot head of water = 0.432 749 psi and one metre head of water = 9 .789 04 kPa.

CONVERSION FACTORS FOR UNITS OF PRESSURE¹

psi	atms	Feet head of water	Inches head of water	kg/cm ²	Metres head of water	Inches of mercury	mm of mercury	bar	kPa (Exact conversion factor)
1	0.0680	2.3108	27.730	0.0703	0.7043	2.0360	51.754	0.0689	6.894 757
14.696	1	33.959	407.51	1.0332	10.351	29.291	760.57	1.0132	101.325
0.4327	0.0294	1	12	0.0304	0.3048	0.8811	22.396	0.0298	2.983 6959
0.0361	0.0024	0.0833	1	0.0025	0.0254	0.0734	1.8644	0.0025	0.248 641 32
14.223	0.9678	32.867	394.41	1	10.018	28.959	736.11	0.9807	98.0665
1.4223	0.0966	3.2808	39.371	0.0998	1	2.8907	73.479	0.0979	9.789 0284
0.4912	0.0334	1.1350	13.620	0.0345	0.3459	1	25.419	0.0339	3.386 3837
0.0193	0.0013	0.0446	0.5358	0.0014	0.0136	0.0393	1	0.0013	0.133 2219
14.504	0.9869	33.515	402.19	1.0197	10.216	29.530	750.63	1	100
0.1450	0.0099	0.3352	4.0219	0.0102	0.1022	0.2953	7.5063	0.01	1

1. Calculated from the exact conversion factors shown in the kPa column, from AS/NZS 1376:1996.