Virtual Pressure Conversion Table

This table shows the converted deviation between pressure altitude and density altitude. Altitudes within parentheses are below sea level.

designation	psi	kPa	kg/cm^2	cm of H^{2}O	feet of H^{2}O	inches of Hg	mm of Hg	inches of H20	ounces per square inch	atmospheres	bar	mbar	Mpa
psi	1	6.894757	.070306958	70.306927	2.306723	2.03602	51.71486	27.68068	16	.068046	.06894757	68.9476	.00689
kPa	.1450377	1	.01019716	10.19745	.3345618	.2952997	7.50061	4.01472	2.320603	.009669235	.01	10	.001
kg/cm^2	14.223343	98.06694	1	1000.026	32.809312	28.95901	735.5588	393.711806	227.57349	.967841596	.98066494	1013.25	.09806
cm of H^{2}O	.0142229	.0980634	.00099997	1	.032808	.0289581	.7355372	.3937	.227566	.000967814	.000980634	.9806	.00098
feet of H^{2}O	.433515	2.968961	.03047912	30.48	1	.882646	22.4192	12	6.93624	.02949896	.02968961	29.689	.00298
inches of Hg	.4911542	3.386389	.0345316	34.53253	1.132957	1	25.4	13.595484	7.85847	.0334211	.03386389	33.8639	.00386
mm of Hg	.0193368	.1333225	.00135951	1.359554	.0446046	.039370079	1	.535255	.3093888	.0013157895	.001333225	1.33322	.00013
inches of H^{2}O	.03612628	.2490819	.00254219	2.54	.08333	.0735539	1.8682683	1	.57802	.00245825	.002490819	2.49089	.000249
ounces per square inch	.0625	.4309223	.004394308	4.394308	.14417	.12725125	3.23218	1.73004	1	.004252875	.004309223	4.309	.0004309
atmospheres	14.696	101.32535	1.033231	1033.2633	33.8995	29.9213	760	406.794	235.136	1	1.0132535	1013.25	.1013
bar	14.5038	100	1.019716	1019.7466	33.4833	29.53	750.0626	401.8596	232.0608	.986923	1	1000	0.1
mbar	0.0145	0.1	.001019	1.019	.003456	0.02953	0.75006	0.40146	.23206	0.00099	0.001	1	.0001
Mpa	145.0377	1000	10.197	10197.45	334.56	295.299	7500.61	4014.74	2320.603	9.669	10	10000	1