

Conversion table for standard pressure units

Unit	bar	mbar	Pa	kPa	MPa	kp/mm ²	kp/cm ²	atm	mmHg	mWs	mmWs	psi	"H ₂ O	"Hg
1 bar	1	1000	100000	100	0.1	0.01019716	1.019716	0.986923	750.062	10.19716	10197.16	14.50377	401.463	29.53
1 mbar	0.001	1	100	0.1	0.001	0.0000101972	0.01019716	0.000986923	0.750062	0.01019716	10.19716	0.01450377	0.401463	0.02953
1 Pa	0.00001	0.01	1	0.001	0.000001	0.000000102	0.000010197	0.00009869	0.00750062	0.0001019716	0.1019716	0.000145038	0.00401463	0.0002953
1 kPa	0.01	10	1000	1	0.001	0.0001019716	0.01019716	0.00986923	7.50062	0.1019716	101.9716	0.1450377	4.01463	0.2953
1 MPa	10	10000	1000000	1000	1	0.1019716	10.19716	9.86923	7500.62	101.9716	101971.6	145.0377	4014.63	295.3
1 kp/mm ²	98.0665	98066.5	9806650	9806.65	9.80665	1	100	96.7841	73555.9	1000	1000000	1422.3344	39370.08	2895.9016
1 kp/cm ²	0.980665	980.665	98066.5	98.0665	0.0980665	0.01	1	0.967841	735.559	10	10000	14.223344	393.7008	28.959016
1 atm	1.01325	1013.25	101325	101.325	0.101325	0.01033227	1.033227	1	760	10.33227	10332.27	14.6959	406.38658	29.92126
1 mmHg	0.001333224	1.333224	133.3224	0.1333224	0.000133322	0.00013951	0.00135951	0.001315789	1	0.01360	13.60	0.019336	0.53524	0.03937
1 mWs	0.0980665	98.0665	9806.65	98.0665	0.00980665	0.001	0.1	0.0967841	73.556	1	1000	1.4223274	39.37008	2.8959016
1 mmWs	0.000098067	0.0980665	9.80665	0.00980665	0.00009807	0.000001	0.0001	0.000096784	0.073556	0.001	1	0.001422327	0.03937008	0.002895902
1 psi	0.06894757	68.94757	6894.757	6.894757	0.006894757	0.0070307	0.070307	0.068046	51.715217	0.70307	703.07	1	27.68	2.03529
1 "H ₂ O	0.00249089	2.49089	249.089	0.249089	0.00249089	0.0000254	0.00254	0.002458317	1.86832	0.0254	25.4	0.03613	1	0.07356
1 "Hg	0.0338639	33.8639	3386.4	3.3864	0.0033864	0.000345312	0.0345312	0.03342104	25.4	0.345316	345.316	0.49115	13.595	1