

PRESSURE CONVERSION

MULTIPLY BY FROM	TO	= psi	= in H ₂ O	= in Hg	= bar	= mm Hg	= cm H ₂ O	= gm/cm ²	= kPa	= atm
atmosphere	x	14.70	406.8	29.92	1.013	760	1033	1.033	101.3	
kPa	x	0.145	4.01	0.295	0.0100	7.5	10.2	10.2 x 10 ⁻²		9.87 x 10 ⁻³
kgm/cm ²	x	14.22	393.7	28.95	0.981	735.3	1000		98.1	0.968
cm H ₂ O	x	1.42 x 10 ⁻²	0.394	2.89 x 10 ⁻²	9.81 x 10 ⁻⁴	0.736		1.0 x 10 ⁻³	9.81 x 10 ⁻²	9.7 x 10 ⁻⁴
mm Hg	x	1.934 x 10 ⁻²	0.535	3.937 x 10 ⁻²	1.33 x 10 ⁻³		1.36	1.36 x 10 ⁻³	0.133	1.316 x 10 ⁻³
bar	x	14.5	401.4	29.53		750	1020	1.02	100	0.987
in Hg	x	0.491	13.6		3.39 x 10 ⁻²	25.4	34.5	3.45 x 10 ⁻²	3.39	3.34 x 10 ⁻²
in H ₂ O	x	3.61 x 10 ⁻²		7.36 x 10 ⁻²	2.49 x 10 ⁻³	1.87	2.54	2.54 x 10 ⁻³	0.249	2.46 x 10 ⁻³
psi	x		27.68	2.04	6.89 x 10 ⁻²	51.7	70.3	7.03 x 10 ⁻²	6.90	6.80 x 10 ⁻²

1 torr = 1mm Hg

1kN / m² = 1 mm Hg

