

Pressure and Stress Conversion Factors

To Convert ↓	Multiply By This Factor , To Obtain ↓	Athmosphere	Pascal (n/m ²)	Dyne/cm ²	Bar	Kg/cm ²	Psia (Lb/inch ²)	Pound/ft ²	Inch of Water	Millimeter of Mercury
Athmosphere		1	101325	1.0133 x 10 ⁶	1,01325	1,03319076	14,6959488	2.116,216	407,1893	760
Pascal (n/m ²)		9.8692 x 10 ⁻⁶	1	10	1 x 10⁻⁵	1.01968 x 10 ⁻⁵	0,00014504	0,02088	0,004019	0,0075
Dyne/cm ²		9.8692 x 10 ⁻⁷	0,1	1	1 x 10⁻⁶	1.01968 x 10 ⁻⁶	1.4504 x 10 ⁵	0,002088	0,000402	0,00075
Bar		0,98692327	1 x 10⁵	1 x 10⁶	1	1,01968	14,5037256	2.088,5434	401,8646	750,06168
Kg/cm ²		0,96784111	98.069,982	980.699,83	0,9807	1	14,2232691	2.048,6123	394,0945	735,58536
Psi (Lb/inch ²)		0,06804596	6.894,7572	68.947,573	0,068947	0,07029148	1	144	27,70768	51,71493
Pound/ft ²		4.7254 x 10 ⁻⁴	47,88025	478,80258	0,000478	0,00048813	0,006944	1	0,19241	0,3591314
Inch of Water		0,00245586	248,8400	2.488,4003	0,002488	0,00253690	0,036091	5,19713	1	1,866453
Millimeter of Mercury		0,00131579	133,32236	1333,22368	0,001333	0,00135921	0,019336	2,784495	0,53577	1

Figures in **bold** indicate the conversion is exact.

Provided by :



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