

Conversão de Unidades de Pressão

Dados obtidos do site: < <http://www.ipem.sp.gov.br/5mt/cv2/index.htm> > - Instituto de Pesos e Medidas do Estado de São Paulo

	kPa N/m ²	kPa kN/m ²	Mpa MN/m ² N/mm ²	bar	mbar	kgf/cm ² at	psi lbf/pol ²	mmCA mmH ₂ O	cmCA cmH ₂ O	mCA mH ₂ O	polH ₂ O	ftH ₂ O	Torr mmHg	cmHg	polHg	atm
1 Pa = 1 N/m ²	1	0.001	0.000001	0.00001	0.01	0.00001	0.000145	0.101972	0,010197	0.000102	0.004015	0.000335	0.007501	0.00075	0.000295	0.00001
1 kPa = 1 kN/m ²	1000	1	0.001	0.01	10	0.010197	0.145038	101.971621	10.197162	0.101972	4.014631	0.334553	7.500638	0.0750064	0.2953	0.009869
1 MPa = 1 MN/m ² = 1 N/mm ²	1000000	1000	1	10	100000	10.197162	14.037744	101971.621	10197.1621	101.971621	4014.63076	334.552563	7500.63755	750.06375	295.299899	9.869233
1 bar	100000	100	0.1	1	100000	1.019716	14.503774	10197.1621	1019.71621	10.197162	401.463076	33.455256	750.063755	75.006375	29.5299889	0.986923
1 mbar	100	0.1	0.0001	0.001	1	0.00102	0.014504	10.197162	1.019716	0.010197	0.401463	0.033455	0.750064	0.075006	0.02953	0.000987
1 kgf/cm ² = 1 at	98066.5	98.0665	0.098067	0.980665	980.665	1	14.223344	10000	1000	10	393.700787	32.808399	735.561273	73.556127	28.959027	0.967841
1 psi = 1 lbf/pol ²	6894.757	6.894757	0.006895	0.68948	68.94757	0.070307	1	703.06955	70.306955	0.70307	27.679904	2.306659	51.715073	5.171507	2.03621	0.068046
1 mmCA = mmH ₂ O	9.80665	0.00987	0.00001	0.000098	0.098067	0.0001	0.001422	1	0.1	0.001	0.03937	0.0032181	0.073556	0.007356	0.002896	0.000097
1 cmCA = cmH ₂ O	1.42233	1.42233	0.000098	0.000981	0.980665	0.001	0.014223	10	1.10	0.01	0.393701	0.032808	0.73556	0.073556	0.028959	0.000968
1 mCA = mH ₂ O	9806.65	9.80665	0.009807	0.098067	98.0665	0.1	1.422334	1000	100	1	39.370079	3.28084	73.556127	7.355613	2.895903	0.096784
1 polH ₂ O	249.08891	0.249089	0.00249	0.002491	2.490889	0.00254	0.036127	25.4	2.54	0.0254	1	0.083333	1.868326	0.186833	0.073556	0.002458
1 ftH ₂ O	2989.06692	2.989067	0.002989	0.029891	29.890669	0.03048	0.433528	304.8	30.48	0.3048	12	1	22.419908	2.241991	0.882671	0.0295
1 Torr = 1 mmHg	133.322	0.0133322	0.000133	0.003111	1.3322	0.00136	0.019337	13.59506	1.359506	0.013595	0.535239	0.044603	1	0.1	0.03937	0.001316
1 cmHg	1333.22	1.33322	0.001333	0.013332	13.3322	0.013595	0.193367	135.950605	13.59506	0.135951	5.352386	0.446032	10	1	0.3937	0.013158
1 polHg	3386.388	3.386388	0.003386	0.033864	33.86388	0.034532	0.491154	345.315475	34.531547	0.345315	13.595097	1.132925	25.400069	2.540007	1	0.033421
1 atm	101325	101.325	0.101325	1.01325	1013.25	1.033237	14.695949	10332.2745	1033.2274	10.332275	406.782462	33.998538	760.0021	76.00021	29.921261	1

at atmosfera técnica

atm Atmosfera física

bar Bar

ftH₂O pé de água

kgf/cm² Quilograma força por centímetro quadrado

kN/m² Quilonewton por metro quadrado

kN/mm² Quilonewton por milímetro quadrado

kPa quiloPascal

at atmosfera técnica

atm Atmosfera física

bar bar

ftH₂O pé de água

kgf/cm² Quilograma força por centímetro quadrado

kN/m² Quilonewton por metro quadrado

kN/mm² Quilonewton por milímetro quadrado

kPa quiloPascal

Pa pascal

polHg polegada de mercúrio

polH₂O polegada de água

psi pressure square per inch

Torr Torricelli

Exemplo:

Converter 15psi para bar

15 psi = 15 x 0.068948 = 1.03 bar