

Pressure Conversion Table

	Atmos	Bar	Dynes/cm ²	inHg (0°C)	inH ₂ O (4°C)	kg/m ²	psi	Lb/ft ²	mmHg torr	Microns	Pascals
Atmos	1	0.987	9.869 x 10 E(-7)	0.0334	0.00245	9.678 x 10 E(-5)	0.068	4.725 x 10 E(-4)	1.316 x 10 E(-6)	1.316 x 10 E(-6)	9.869 x 10 E(-6)
Bar	1.013	1	10 E(-6)	0.0338	0.00249	9.807 x 10 E(-5)	0.0689	4.788 x 10 E(-4)	1.333 x 10 E(-3)	1.333 x 10 E(-6)	10 E(-5)
Dynes/cm ²	1.013 x 10 E6	10 E6	1	3.386 x 10 E4	2,491	98.067	6.895 x 10 E4	478.8	1,333	1.333	10
inHg (0°C)	29.921	29.53	2.953 x 10 E(-5)	1	7.355 x 10 E(-2)	2.896 x 10 E(-3)	2.036	0.01414	0.039	3.937 x 10 E(-5)	2.953 x 10 E(-4)
inH ₂ O (4°C)	406.8	401.48	4.015 x 10 E(-4)	13.6	1	0.039	27.68	0.1922	0.5354	5353 x 10 E(-4)	4.014 x 10 E(-3)
kg/m ²	1.033 x 10 E4	1.019 x 10 E4	0.01	345.3	25.4	1	703.06	4.882	13.59	0.0139	0.102
psi	14.695	14.504	1.450 x 10 E(-5)	0.4912	0.0361	0.0014	1	0.0069	0.019	1.934 x 10 E(-5)	1.450 x 10 E(-4)
Lb/ft ²	2,116.22	2,088.50	0.002	70.726	5.202	0.2048	144	1	2.784	0.0028	0.021
mmHg torr	760	750.06	7.5006 x 10 E(-4)	25.4	1.868	0.074	51.715	0.35913	1	0.001	0.007
Microns	760 x 10 E3	750.06 x 10 E3	0.75006	2.54 x 10 E4	1,868	73.558	51.715 x 10 E3	359.1	1,000	1	7.502
Pascals	1.013 x 10 E5	1 x 10 E5	0.1	3,386	259.1	9.807	6,895	47.88	133.3	0.1333	1

Conversion Factors

Pressure	Linear Measure
psi = inH ₂ O x 0.036127	inH ₂ O = psi x 27.68
psi = inHg x 0.49118	inHg = psi x 2.036
psi = mmH ₂ O x 0.00142	mmH ₂ O = psi x 703.1
psi = mmHg x 0.01934	mmHg = psi x 51.71
psi = kg/cm ² x 14,223	kg/cm ² = psi x 0.0703
psi = bar x 14.503	bar = psi x 0.0689
psi = mBar x 0.014503	mBar = psi x 68.95
psi = Pa x 0.00014503	Pa = psi x 6895
psi = kPa x 0.14503	kPa = psi x 6.895
Temperature	
	C = (F - 32) / 1.8
	F = (1.8 x C) + 32