

TECH TIPS

Vacuum Pressure Units Conversion Table

To: **multiply by**

To convert from:

	Pascal	Torr	Atm	Mbar	Psi	Kg/cm ²	μ Mtorr
Pascal (newtons/m²)	1	7.5 (10 ⁻³)	9.87 (10 ⁻⁶)	10 ⁻²	1.45 (10 ⁻⁴)	1.02 (10 ⁻⁵)	7.5
Torr (mm of mercury)	133	1	1.32 (10 ⁻³)	1.333	1.93 (10 ⁻²)	1.36 (10 ⁻³)	10 ³
Atm (atmosphere)	1.013 (10 ⁵)	760	1	1013	14.7	1.033227	7.6 (10 ⁵)
Mbar (millibar)	100	0.75	9.87 (10 ⁻⁴)	1	1.45 (10 ⁻²)	1.02 (10 ⁻³)	750.1
Psi (lb/in²)	6.89 (10 ³)	51.71	6.8 (10 ⁻²)	68.9	1	0.070307	5.17 (10 ⁴)
Kg/cm²	9.81 (10 ⁴)	735.6	0.968	981	14.2	1	7.35 (10 ⁵)
μ (micron) Mtorr (millitorr)	0.1333	10 ⁻³	1.32 (10 ⁻⁶)	1.33 (10 ⁻³)	1.93 (10 ⁻⁵)	1.359 (10 ⁻⁶)	1