

# TECH TIPS

## Vacuum Pressure Units Conversion Table

**To:** multiply by

**To convert from:**

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