

Pressure conversion chart

psi, bar, kPa, atm, mmHg. Factors are given to 7 significant figures; open the converter for full precision and the worked solution.

Conversion factors to pascals (Pa)		
UNIT	IN PA	1 PA IN UNIT
pascal (Pa)	1 Pa	1 Pa
hectopascal (hPa)	100 Pa	0.01 hPa
kilopascal (kPa)	1,000 Pa	0.001 kPa
megapascal (MPa)	1,000,000 Pa	0.000001 MPa
bar (bar)	100,000 Pa	0.00001 bar
millibar (mbar)	100 Pa	0.01 mbar
pound per square inch (psi)	6,894.757 Pa	0.0001450377 psi
standard atmosphere (atm)	101,325 Pa	0.000009869233 atm
millimetre of mercury (mmHg)	133.3224 Pa	0.007500616 mmHg
torr (Torr)	133.3224 Pa	0.007500617 Torr
inch of mercury (inHg)	3,386.389 Pa	0.0002952998 inHg
inch of water (inH ₂ O)	249.0889 Pa	0.004014631 inH ₂ O
kilogram-force per cm ² (kgf/cm ²)	98,066.5 Pa	0.00001019716 kgf/cm ²

psi → bar	
PSI	BAR
0.1 psi	0.006894757 bar
0.5 psi	0.03447379 bar
1 psi	0.06894757 bar
2 psi	0.1378951 bar
5 psi	0.3447379 bar
10 psi	0.6894757 bar
20 psi	1.378951 bar
25 psi	1.723689 bar
50 psi	3.447379 bar
100 psi	6.894757 bar
250 psi	17.23689 bar
500 psi	34.47379 bar
1,000 psi	68.94757 bar

bar → psi	
BAR	PSI
0.1 bar	1.450377 psi
0.5 bar	7.251887 psi
1 bar	14.50377 psi
2 bar	29.00755 psi
5 bar	72.51887 psi
10 bar	145.0377 psi
20 bar	290.0755 psi
25 bar	362.5943 psi
50 bar	725.1887 psi
100 bar	1,450.377 psi
250 bar	3,625.943 psi
500 bar	7,251.887 psi
1,000 bar	14,503.77 psi

Formula: **bar = psi × 0.06894757293**