Pressure Conversion Factors Table

This table shows the factors for doing various pressure conversions. Many are uncommon but have specific uses for certain situations.

Convert From	Convert To	Multiply By
atmosphere, standard (atm)	pascal (Pa)	1.01325 E+05
atmosphere, standard (atm)	kilopascal (kPa)	1.01325 E+02
atmosphere, technical (at)	pascal (Pa)	9.80665 E+04
atmosphere, technical (at)	kilopascal (kPa)	9.80665 E+01
bar (bar)	pascal (Pa)	1.0 E+05
bar (bar)	kilopascal (kPa)	1.0 E+02
centimeter of mercury (0 °C)	pascal (Pa)	1.33322 E+03
centimeter of mercury (0 °C)	kilopascal (kPa)	1.33322
centimeter of mercury, conventional (cmHg)	pascal (Pa)	1.333224 E+03
centimeter of mercury, conventional (cmHg)	kilopascal (kPa)	1.333224
centimeter of water (4 °C)	pascal (Pa)	9.80638 E+01
centimeter of water, conventional (cmH_2O)	pascal (Pa)	9.80665 E+01
dyne per square centimeter (dyn/cm_2)	pascal (Pa)	1.0 E-01
foot of mercury, conventional (ftHg)	pascal (Pa)	4.063666 E+04
foot of mercury, conventional (ftHg)	kilopascal (kPa)	4.063666 E+01
foot of water (39.2 °F)	pascal (Pa)	2.98898 E+03
foot of water (39.2 °F)	kilopascal (kPa)	2.98898
foot of water, conventional (ftH_{2O})	pascal (Pa)	2.989067 E+03
foot of water, conventional (ftH_{2O})	kilopascal (kPa)	2.989067
gram-force per square centimeter (gf/cm^2)	pascal (Pa)	9.80665 E+01
inch of mercury (32 °F)	pascal (Pa)	3.38638 E+03

inch of mercury (32 °F)	kilopascal (kPa)	3.38638
inch of mercury (60 °F)	pascal (Pa)	3.37685 E+03
inch of mercury (60 °F)	kilopascal (kPa)	3.37685
inch of mercury, conventional (inHg)	pascal (Pa)	3.386389 E+03
inch of mercury, conventional (inHg)	kilopascal (kPa)	3.386389
inch of water (39.2 °F)	pascal (Pa)	2.49082 E+02
inch of water (60 °F)	pascal (Pa)	2.4884 E+02
inch of water, conventional (inH_{2O})	pascal (Pa)	2.490889 E+02
kilogram-force per square centimeter (kgf/cm^2)	pascal (Pa)	9.80665 E+04
kilogram-force per square centimeter (kgf/cm^2)	kilopascal (kPa)	9.80665 E+01
kilogram-force per square meter (kgf/m^2)	pascal (Pa)	9.80665
kilogram-force per square millimeter (kgf/mm^2)	pascal (Pa)	9.80665 E+06
kilogram-force per square millimeter (kgf/mm^2)	megapascal (MPa)	9.80665
kip per square inch (ksi) (kip/in_2)	pascal (Pa)	6.894757 E+06
kip per square inch (ksi) (kip/in_2)	kilopascal (kPa)	6.894757 E+03
millibar (mbar)	pascal (Pa)	1.0 E+02
millibar (mbar)	kilopascal (kPa)	1.0 E-01
millimeter of mercury, conventional (mmHg)	pascal (Pa)	1.333224 E+02
millimeter of water, conventional (mmH_2O)	pascal (Pa)	9.80665
poundal per square foot	pascal (Pa)	1.488164
pound-force per square foot (lbf/ft_2)	pascal (Pa)	4.788026 E+01
pound-force per square inch (psi) (lbf/in^2)	pascal (Pa)	6.894757 E+03
pound-force per square inch (psi) (lbf/in^2)	kilopascal (kPa)	6.894757
psi (pound-force per square inch) (lbf/in^2)	pascal (Pa)	6.894757 E+03
psi (pound-force per square inch) (lbf/in^2)	kilopascal (kPa)	6.894757
torr (Torr)	pascal (Pa)	1.333224 E+02