

Unit Conversion Factors For Some Common Parameters

TO CONVERT FROM	TO	MULTIPLY BY	PARAMETER
Atmosphere	Inch of Mercury	29.92	Pressure
Atmosphere	Pascal (Pa)	101,300	Pressure
Atmosphere	Kilopascal (kPa)	101.3	Pressure
Atmosphere	Pound _f /Sq. Inch	14.696	Pressure
Atmosphere	Bar	1.0132	Pressure
Barrel (Petroleum)	Cubic Meter	0.158987	Volume
Barrel (Petroleum)	Cubic Foot	5.61458	Volume
Barrel (Petroleum)	Gallon (US)	42	Volume
Barrel (Petroleum)	Gallon (UK)	34.97232	Volume
Barrel (US Liq. & UK Wine)	Gallon (US or UK)	31.5	Volume
Barrel (UK Beer)	Gallon (UK)	36.0	Volume
Bar	Pascal (Pa)	100,000	Pressure
Bar	Pound _f /Sq. Inch	14.504	Pressure
Centipoise	Pascal-Sec	0.001	Abs. Viscos.
Centipoise	Pound _m /Ft-Sec	0.000672	Abs. Viscos.
Centipoise	Pound _m /Ft-Hr	2.4192	Abs. Viscos.
Centistoke	Sq.Meter/Sec	1E-06	Kine. Vis.
Centistoke	Sq-Ft/Sec	10.76E-06	Kine. Vis.
Cubic cm.	Liter	0.001	Volume
Cubic Inch	Cubic Cm.	16.387	Volume
Cubic Foot	Cubic Meter	0.028317	Volume
Cubic Foot	Liter	28.32	Volume
Cubic Inch	Cubic Cm.	16.387	Volume
Cubic Foot	Cubic Inch	1728	Volume
Cubic Foot	Gallon	7.4805	Volume
Cubic Yard	Cubic Foot	27	Volume
Cubic Yard	Cubic Meter	0.7646	Volume
Cubic Ft/Min	Cubic Meter/Sec	0.0004719	Vol. Rate
Cubic Ft/Min	Cubic Meter/Hr	1.6986	Vol. Rate
Deg. Centigrade (C)**	Deg. Fahrenheit (F)	$C*1.8+32$	Temperature
Deg. Centigrade (C)**	Deg. Kelvin (K)	$C+273$	Temperature
Deg. Celsius (C)**	Deg. Kelvin (K)	$C+273$	Temperature
Deg. Fahrenheit(F)**	Deg. Kelvin (K)	$(F+460)/1.8$	Temperature
Deg. Fahrenheit(F)**	Deg. Rankine (R)	$F+460$	Temperature
Dyne	Newton (N)	1E-05	Force

To Convert From	To	Multiply By	Parameter
Dyne/Sq-cm	Pascal (Pa)	0.1	Pressure
Foot	Inch	12	Length
Foot	Meter	0.3048	Length
Foot of Water @60°F)	Bar	0.02986	Pressure
Foot/Min	Meter/Min	0.3048	Velocity
Foot-Pound _f	Joule (J)	1.3558	Energy
Foot-Pound _f	Inch-Pound _f	12	Energy
Gallon (UK & Can.)	Cubic Meter	0.004546	Volume
Gallon (US)	Gallon (UK & Can.)	0.8328	Volume
Gallon (US)	Liter	3.7854	Volume
Gallon (US)	Cubic Meter	0.0037854	Volume
Gallon (US)	Cubic inch	231	Volume
Gallon(US)/Min	Cubic Meter/Hour	0.22712	Vol. Rate
Inch	Centimeter	2.54	Length
Inch	Millimeter	25.4	Length
Inch	Meter	0.0254	Length
Inch of Hg (@60°F)	Pound _f /Sq-In	0.48979	Pressure
Inch of Hg (@60°F)	Pascal (Pa)	3377	Pressure
Inch of Water @60°F)	Pascal (Pa)	248.8	Pressure
Inch of Water @60°F)	Pound _f /Sq-In	0.03609	Pressure
Kilogram	Pound _m (Avoirdupois)	2.20462	Mass
Kilogram (Force)	Newton	9.80665	Force
Kilogram/Sq-Cm	Pascal	9.80665	Pressure
Kilogram/Sq-Cm	Pound _f /Sq-In	14.2234	Pressure
Kilowatt-Hour	Joule (J)	3.6E06	Energy
Kilogram _f -Meter	Foot-Pound _f	7.233	Energy
Kilopascal	Pound _f /Sq-In	0.145037	Pressure
Liter	Cubic Meter	0.001	Volume
Liter	Cubic Inch	61.02374	Volume
Liter	Gallon (US)	0.26417	Volume
Liter/Min	Cubic Foot/Hour	2.11888	Vol. Rate
Liter/Min	Gallon/Hour (US)	15.8503	Vol. Rate
Meter	Foot	3.28083	Length
Meter	Fathom (Nautical)	0.54680	Length
Meter	Millimeter	1000	Length
Millimeter	Inch	0.03937	Length

To Convert From	To	Multiply By	Parameter
Millibar	Pound _f /Sq-In	0.014504	Pressure
Millimeter of HG @60°F	Pound _f /Sq-In	0.019366	Pressure
Millimeter of HG @60°F	Pascal (Pa)	133.3244	Pressure
Pascal (Definition)	Newton/Meter ²	1	Pressure
Pound (Avoirdupois)	Gram	453.592	Mass
Pound (Avoirdupois)	Kilogram	0.453592	Mass
Poundal	Newton (N)	0.138255	Force
Pound	Newton (N)	4.44822	Force
Pound _m /Cu-In	Gram/Cu-Cm	27.6799	Density
Pound _m /Cu-Ft	Kg/Cu-Meter	16.01846	Density
Pound _f /Sq-In	Kilopascal/Sq-Cm	6.89476	Pressure
Pound _f /Sq-Ft	Pascal (Pa)	47.8803	Pressure
SCFM	Pound _m /Hour	4.578	Flow
SCFM	Kilogram/Hour	2.0765	Flow
Square Foot	Square Inch	144	Area
Square Foot	Square Meter	0.0929	Area
Square Inch	Square Centimeter	6.4516	Area
Torr	Pascal (P)	133.3224	Pressure
Torr	Millibar	1.33324	Pressure
Torr	Pound _f /Sq-In	0.019333	Pressure