

CONVERSION TABLES

Table 7: Mass Flow Units

Kilogram/hour kg/h	Pound/hour lb/hour	Kilogram/second kg/s	Ton/hour t/h
1	2.204586	0.000278	0.001
0.4536	1	0.000126	0.000454
3600	7936.508	1	3.6
1000	2204.586	0.277778	1

Table 8: High Pressure Units

Bar bar	Pound/square inch psi	Kilopascal kPa	Megapascal MPa	Kilogram force/ centimetre square kgf/cm ²	Millimetre of mercury mm Hg	Atmospheres atm
1	14.50326	100	0.1	1.01968	750.0188	0.987167
0.06895	1	6.895	0.006895	0.070307	51.71379	0.068065
0.01	0.1450	1	0.001	0.01020	7.5002	0.00987
10	145.03	1000	1	10.197	7500.2	9.8717
0.9807	14.22335	98.07	0.09807	1	735.5434	0.968115
0.001333	0.019337	0.13333	0.000133	0.00136	1	0.001316
1.013	14.69181	101.3	0.1013	1.032936	759.769	1

Table 9: Low Pressure Units

Metre of water m/H ₂ O	Foot of water ft/H ₂ O	Centimetre of mercury cm/Hg	Inches of mercury in/Hg	Inches of water in/H ₂ O	Pascal Pa
1	3.280696	7.356339	2.896043	39.36572	9806
0.304813	1	2.242311	0.882753	11.9992	2989
0.135937	0.445969	1	0.39368	5.351265	1333
0.345299	1.13282	2.540135	1	13.59293	3386
0.025403	0.083339	0.186872	0.073568	1	249.1
0.000102	0.000335	0.00075	0.000295	0.004014	1

Table 10: Speed Units

Metre/second m/s	Metre/minute m/min	Kilometre/hour km/h	Foot/second ft/s	Foot/minute ft/min	Miles/hour mi/h
1	59.988	3.599712	3.28084	196.8504	2.237136
0.01667	1	0.060007	0.054692	3.281496	0.037293
0.2778	16.66467	1	0.911417	54.68504	0.621477
0.3048	18.28434	1.097192	1	60	0.681879
0.00508	0.304739	0.018287	0.016667	1	0.011365
0.447	26.81464	1.609071	1.466535	87.99213	1

Table 11: Torque Units

Newton metre Nm	Kilogram force metre kgfm	Foot pound ft/lb	Inch pound in/lb
1	0.101972	0.737561	8.850732
9.80665	1	7.233003	86.79603
1.35582	0.138255	1	12
0.112985	0.011521	0.083333	1

Table 12: Dynamic Viscosity Unit

Centipoise* cp	Poise poise	Pound/foot-second lb/(ft-s)
1	0.01	0.000672
100	1	0.067197
1488.16	14.8816	1

Table 13: Kinematic Viscosity Units

Centistoke* cs	Stoke St	Foot square/second ft ² /s	Metre square/second m ² /s
1	0.01	0.000011	0.000001
100	1	0.001076	0.0001
92903	929.03	1	0.092903
1000000	10000	10.76392	1

*note: centistokes x specific gravity = centipoise

Table 14: Temperature Conversion Formulas

Degree Celsius (°C)	(°F - 32) x 5/9 (K - 273.15)
Degree Fahrenheit (°F)	(°C x 9/5) + 32 (1.8 x K) - 459.67
Kelvin (K)	(°C + 273.15) (°F + 459.67) ÷ 1.8