

General Conversion Table In Alphabetical Order

REFERENCE PAGES

| UNIT | x | FACTOR | = | UNIT |
|----------------------------|---|--------------|---|---------------------------------|
| Acceleration gravity | | 9.80665 | = | meter/second ² |
| Acceleration gravity | | 32.2 | = | feet/second ² |
| Acceleration gravity | | 9.80665 | = | meter/second ² |
| Acceleration gravity | | 32.2 | = | feet/second ² |
| acre | | 4,046.856 | = | meter ² |
| acre | | 0.40469 | = | hectare |
| acre | | 43,560.0 | = | foot ² |
| acre | | 4,840.0 | = | yard ² |
| acre | | 0.00156 | = | mile ² (statute) |
| acre | | 0.00404686 | = | kilometer ² |
| acre | | 160 | = | rods ² |
| acre feet | | 1,233.489 | = | meter ² |
| acre feet | | 325,851.0 | = | gallon (US) |
| acre feet | | 1,233.489 | = | meter ³ |
| acre feet | | 325,851.0 | = | gallon |
| acre-feet | | 43560 | = | feet ³ |
| acre-feet | | 102.7901531 | = | meter ³ |
| acre-feet | | 134.44 | = | yards ³ |
| ampere | | 1 | = | coulombs/second |
| ampere | | 0.0000103638 | = | faradays/second |
| ampere | | 2997930000.0 | = | statamperes |
| ampere | | 1000 | = | milliamperes |
| ampere/meter | | 3600 | = | coulombs |
| angstrom | | 0.0001 | = | microns |
| angstrom | | 0.1 | = | millimicrons |
| atmosphere | | 101.325 | = | kilopascal |
| atmosphere | | 1.0332 | = | kg/cm ² |
| atmosphere | | 0.10133 | = | megapascal |
| atmosphere | | 14.7 | = | pound force/inch ² |
| atmosphere | | 101325.0 | = | newtons/meter ² |
| atmosphere | | 760 | = | torrs |
| atmosphere | | 1.01325 | = | bars |
| atmosphere | | 33.8995 | = | feet of H ₂ O @ 40°F |
| atmosphere | | 1033.29 | = | cm of H ₂ O @ 4°C |
| atmosphere | | 76 | = | cm of Hg @ 0°C |
| atmosphere | | 29.530 | = | inches of Hg @ 32°F |
| atmosphere | | 760 | = | mm of Hg @ 0°C |
| bars | | .98692 | = | atmosphere |
| bars | | .1 | = | kilopascal |
| bars | | 14.50377 | = | pound force/inch ² |
| bars | | 1019.72 | = | grams force/cm ² |
| bars | | 75.0062 | = | cm of Hg @ 0°C |
| bars | | 29-530 | = | feet of H ₂ O @ 40°F |
| bars | | 76 | = | inches of Hg @ 0°C |
| bars | | 14.5038 | = | psi |
| barrels of oil (US) | | 42.0 | = | gallons (US) |
| barrels of oil (US) | | 5.61458 | = | feet ³ |
| barrels of oil (US) | | 163.6592 | = | liters |
| board feet | | 144 | = | inch ³ |
| board feet | | 0.08333 | = | foot ³ |
| board feet | | 2359.74 | = | cm ³ |
| british thermal unit (BTU) | | 777.649 | = | foot pound-force |
| british thermal unit (BTU) | | 1,055.056 | = | joule |
| british thermal unit (BTU) | | 25020.1 | = | foot poundals |
| british thermal unit (BTU) | | 251.996 | = | calorie, g |
| british thermal unit (BTU) | | 0.2520 | = | kg-calorie |
| british thermal unit (BTU) | | 0.000292875 | = | kw-hours |
| british thermal unit (BTU) | | 0.00001 | = | therms |
| british thermal unit (BTU) | | 0.000393 | = | hp-hours |

| UNIT | x | FACTOR | = | UNIT |
|----------------------------|---|---------------------------|---|---------------------------|
| british thermal unit (BTU) | | 1054.35 | = | watt-seconds |
| british thermal unit (BTU) | | 10,544 x 10 ³ | = | ergs |
| british thermal unit (BTU) | | 0.999331 | = | BTU (IST) |
| BTU/min | | 0.01758 | = | kilowatts |
| BTU/min | | 0.02358 | = | horsepower |
| byte | | 8.000001 | = | bits |
| calorie, g | | 0.00397 | = | british thermal unit |
| calorie, g | | 0.00116 | = | watt-hour |
| calorie, g | | 4184.00 x 10 ³ | = | ergs |
| calorie, g | | 3.08596 | = | foot pound-force |
| calorie, g | | 4.184 | = | joules |
| calorie, g | | 0.000001162 | = | kilowatt-hour |
| calorie, g | | 42664.9 | = | gram-force cm |
| calorie, g/hr | | 0.00397 | = | btu/hr |
| calorie, g/hr | | 0.0697 | = | watts |
| candle/cm ² | | 12.566 | = | candle/inch ² |
| candle/cm ² | | 10000.0 | = | candle/meter ² |
| candle/inch ² | | 144.0 | = | candle/foot ² |
| candle power | | 12.566 | = | lumens |
| carats | | 3.0865 | = | grains |
| carats | | 200.0 | = | milligrams |
| celsius | | 1.8C°+ 32 | = | fahrenheit |
| celsius | | 273.16 + C° | = | kelvin |
| centimeter | | 0.39370 | = | inch |
| centimeter | | 0.03281 | = | foot |
| centimeter | | 0.01 | = | meter |
| centimeter | | 10 | = | millimeter |
| cm grams -force | | 0.0000723 | = | foot pound-force |
| cm of Hg | | 0.1934 | = | pound/inch ² |
| cm/sec | | 0.0328 | = | feet/sec |
| cm/sec | | 1.9685 | = | feet/min |
| cm/sec | | 0.0006 | = | km/min |
| cm/sec | | 0.0194 | = | knots |
| cm/sec | | 0.000373 | = | miles/hour |
| cm/sec/sec | | 0.0328 | = | feet/sec/sec |
| cm/sec/sec | | 0.01 | = | meters/sec/sec |
| chains | | 66.0 | = | feet |
| chains | | 20.117 | = | meter |
| circles | | 360 | = | degrees |
| circles | | 400 | = | grades |
| circles | | 6.2832 | = | radians |
| circles | | 12.0 | = | signs |
| circular inches | | 0.7854 | = | inch ² |
| centimeter ² | | 0.15500 | = | inch ² |
| centimeter ² | | 0.00108 | = | foot ² |
| centimeter ² | | 127.324 | = | circular mm |
| centimeter ² | | 100.0 | = | mm ² |
| centimeter ² | | 0.0001 | = | meter ² |
| centimeter ² | | 155000.0 | = | mils ³ |
| centimeter ³ | | 0.06102 | = | inch ³ |
| centimeter ³ | | 0.00042 | = | board feet |
| centimeter ³ | | 0.000035315 | = | feet ³ |
| centimeter ³ | | 0.000001 | = | meters ³ |
| centimeter ³ | | 0.27051 | = | drams |
| centimeter ³ | | 0.06102 | = | gallons (US) |
| centimeter ³ | | 0.001 | = | liter |
| centimeter ³ | | 0.03381 | = | ounces |
| centimeter ³ | | 0.00211 | = | pints |
| centimeter ³ | | 0.00106 | = | quarts |

| UNIT | x | FACTOR | = | UNIT | UNIT | x | FACTOR | = | UNIT |
|---------------------------|---|----------------------------|---|-------------------------------|------------------------------------|---|---------------------------|---|---------------------------------|
| centipose | | 0.001 | | pascal-second | foot ³ | | 12.0 | | board feet |
| centistokes | | 0.000001 | | meter ² /second | foot ³ | | 1728.0 | | inches ³ |
| coulombs | | 1.0 | | amp-hours | foot ³ | | 28316.8 | | centimeter ³ |
| coulombs | | 0.000010364 | | faradays | foot ³ | | 0.02832 | | meter ³ |
| coulombs | | 2997900000 | | statcoulombs | foot ³ | | 28.32 | | liter (liq.) |
| days | | 24.0 | | hours | foot ³ | | 59.842 | | pint (liq.) |
| days | | 1440. | | minutes | foot ³ | | 29.922 | | quart (liq.) |
| days | | 0.00273 | | years | foot ³ | | 7.48052 | | gallon (liq.) |
| days | | 86400 | | seconds | foot ³ | | 0.03704 | | yard |
| decimeter | | 10. | | centimeters | foot ³ /hour | | .0283168 | | meter ³ /hour |
| decimeter | | 3.937 | | inch | foot ³ /hour | | 0.0167 | | feet ³ /minute |
| decimeter | | 0.32808 | | feet | foot ³ /hour | | 7.4805 | | gallons/hour |
| decimeter ³ | | 61.02 | | inch ³ | foot ³ /minute | | 0.283168 | | meter ³ /minute |
| degrees | | 60.0 | | minutes | foot ³ /minute | | 471.95 | | centimeter ³ /second |
| degrees | | 3600.0 | | seconds | foot ³ /second | | 448.8306 | | gallon/minute |
| degrees | | 0.01111 | | quadrants | foot ³ /second | | 0.02832 | | meter ³ /second |
| degrees | | 0.01745 | | radians | foot ³ /second | | 28.31658 | | liter/second |
| degrees | | 1.111 | | grades | foot ³ /second | | 120.0 | | foot ³ /hour |
| dynes | | 0.00001 | | newtons | foot ³ /pound | | 120.0 | | centimeter ³ /gram |
| dynes/cm ² | | 0.000001 | | bars | foot ³ H ₂ O | | 28.31413 | | kilogram |
| electron volts | | 1.6021 X 10 ⁻¹² | | ergs | foot ³ H ₂ O | | 62.42197 | | pound |
| ergs | | 9.4845 x 10 ⁻¹¹ | | british thermal unit | foot ³ H ₂ O | | 28.31413 | | kilogram |
| ergs | | 1.0 X 10 ⁻⁷ | | joules | foot ³ H ₂ O | | 62.42197 | | pound |
| ergs | | 7.376 x 10 ⁻⁸ | | foot pound-force | furlongs | | 660.0 | | feet |
| ergs | | 2.3885 x 10 ⁻⁸ | | grams-calorie | furlongs | | 20116.8 | | centimeters |
| ergs | | 0.278 x 10 ⁻¹⁰ | | watt-hours | furlongs | | 201.17 | | meters |
| ergs | | 1.0 | | dynes-cm | furlongs | | 7920 | | inches |
| ergs/sec | | 1.341 x 10 ⁻¹⁰ | | horsepower | furlongs | | 220.0 | | yards |
| fahrenheit | | (F°-32)/1.8 | | celsius | gallon (US liq.) | | 4.0 | | quart |
| fahrenheit | | 0.55556 | | celsius | gallon (US liq.) | | 8.0 | | pint |
| fahrenheit | | 459.72 + F° | | rankin | gallon (US liq.) | | 3.0689 x 10 ⁻⁶ | | acre feet |
| farads | | 100000 | | statamperes | gallon (US liq.) | | 0.00379 | | meter ³ |
| farads | | 1.00049 | | statfarads | gallon (US liq.) | | 3.785 | | liter |
| farads | | 100000 | | microfarads | gallon (US liq.) | | 0.13368 | | foot ³ |
| fathoms | | 6.0 | | feet | gallon (US liq.) | | 8.33 | | pounds |
| fathoms | | 1.828 | | meters | gallon H ₂ O | | 3.78625 | | kilogram |
| fathoms | | 2 | | yards | gallon H ₂ O | | 3.78625 | | kilogram |
| feet of H ₂ O | | 2.98898 | | kilopascal | gallon H ₂ O | | 8.34725 | | pound |
| feet of H ₂ O | | 0.4336 | | pound force/inch ² | gallon/minute | | 0.00006 | | meter ³ /second |
| feet/second | | 0.508 | | cm/second | gallon/minute | | 0.06309 | | liter/second |
| feet/second | | 0.00508 | | meter/second | gallon/minute | | 0.00144 | | million gallons/day |
| feet ² /second | | 0.000001 | | meter ² /second | gallon/minute (gpm) | | 0.00223 | | foot ³ /second (cfm) |
| foot | | 304.80 | | millimeters | gallons/inch/mile/day | | 0.03259 | | liter/mm/km/day |
| foot | | 30.480 | | centimeter | gallons/inch/mile/day | | 0.03259 | | liter/mm/km/day |
| foot | | 0.30480 | | meter | gausses | | 10000.0 | | gamma |
| foot | | 0.015151 | | chains | gausses | | 6.4516 | | lines/inch ² |
| foot | | 0.000189 | | miles | gausses | | 6.452 x 10 ⁻⁸ | | webers/inch ² |
| foot | | 0.166667 | | fathoms | gram/centimeter ³ | | 1,00.00 | | kilogram/meter ³ |
| foot-poundals | | 3.9968 x 10 ⁻⁵ | | british thermal unit | grades | | 0.0025 | | circles |
| foot-poundals | | 0.010072 | | cal, gram | grades | | 0.0025 | | circumferences |
| foot-poundals | | 0.03108 | | foot pound-force | grades | | 0.9 | | degrees |
| foot-pound force | | 1.35582 | | joule | grades | | 54 | | minutes |
| foot-pound force | | 0.00128 | | british thermal unit | grades | | 0.0025 | | revolutions |
| foot/hour (linear) | | 0.508 | | cm/minute | grades | | 3240 | | seconds |
| foot/min | | .00508 | | meter/sec | grains | | 0.32399 | | carats |
| foot/sec | | .3048 | | meter/sec | grains | | 0.01667 | | drams (troy) |
| foot pound force | | 1.35582 | | newton meter | grains | | 0.03657 | | drams (avdp) |
| foot ² | | 92,903.04 | | millimeter ² | grains | | 64.7989 | | milligrams |
| foot ² | | 929.0304 | | centimeter ² | grains | | 0.00017 | | pounds (troy) |
| foot ² | | 0.09290 | | meter ² | grains | | 0.00014 | | pounds(avdp) |
| foot ² | | 0.11111 | | yard ² | grams | | 5.0 | | carats |
| foot ² | | 0.00002 | | acre | grams | | 0.2572 | | drams (troy) |
| foot ² | | 3.5873 x 10 ⁻⁸ | | mile ² | grams | | 0.5644 | | drams (avdp) |
| foot ³ | | 0.00781 | | cords of wood | grams | | 15.432 | | grains |

| UNIT | x | FACTOR | = | UNIT | UNIT | x | FACTOR | = | UNIT |
|-----------------------------|---|---------------------------|---|-------------------------------|-----------------------------------|---|------------------|---|-------------------------------|
| grams | | 0.001 | | kilograms | inch pound force | | 0.11299 | | newton meter |
| grams | | 1000.0 | | milligrams | inch ² | | 645.10 | | millimeter ² |
| grams | | 0.03215 | | ounce (troy) | inch ² | | 6.4516 | | centimeter ² |
| grams | | 0.03527 | | ounce(avdp) | inch ³ | | 16.387 | | millimeter ³ |
| grams | | 0.00220 | | pound | inch ³ | | 16.39 | | centimeter ³ |
| grams force/cm ² | | 98.0665 | | pascal | inch ³ | | 0.01639 | | decimeter ³ |
| grams force/cm ² | | 0.00034 | | pound force/inch ² | joule | | 0.73756 | | foot* pound force |
| hectare | | 10,000.00 | | meter ² | joule | | 0.00095 | | british thermal unit |
| hectare | | 2.47105 | | acre | kilogram | | 35.274 | | ounce |
| henries | | 1000.0 | | millihenries | kilogram | | 2.20462 | | pound |
| henries | | 1.113 x 10 ⁻¹² | | stathenhenries | kilogram | | 0.001 | | metric ton (tonne) |
| horsepower (mech) | | 2542.47 | | btu/hr | kilogram | | 1000.0 | | grams |
| horsepower (mech) | | 0.746 | | kilowatts | kilogram force | | 9.80681 | | newton |
| horsepower (mech) | | 64160.0 | | calories, gram/hr | kilogram force/cm ² | | 98.0665 | | kilopascal |
| horsepower (mech) | | 7.457 x 10 ⁹ | | ergs/second | kilogram force/cm ² | | 14.22335 | | pound force/inch ² |
| horsepower (mech) | | 1980000.0 | | foot pound-force/hour | kilogram force/meter ² | | 9.80665 | | pascal |
| horsepower (mech) | | 0.076 | | horsepower (boiler) | kilogram/meter ³ | | 0.06243 | | pound/foot ³ |
| horsepower (mech) | | 0.9996 | | horsepower (electric) | kilogram/meter ³ | | 1.68554 | | pound/yard ³ |
| horsepower (mech) | | 1.0139 | | horsepower (metric) | kilogram/meter ³ | | 0.00835 | | pound/gallon |
| horsepower (mech) | | 745.7 | | joules/sec | kilogram/meter ³ | | 0.00084 | | ton/yard ³ |
| horsepower (mech) | | 0.212 | | tons of refrig. | kilogram/meter ³ | | 0.001 | | metric ton/meter ³ |
| horsepower (mech) | | 745.7 | | watts | kilogram/metre | | 0.67197 | | pound/foot |
| horsepower (boiler) | | 140671.6 | | calories, gram/min | kilometer | | 0.62137 | | mile |
| horsepower (boiler) | | 33445.7 | | btu/hr | kilometer | | 0.00000000000010 | | light years |
| horsepower (boiler) | | 9.8097 x 10 ¹⁰ | | ergs/second | ilonewton | | 100000000.0 | | dynes |
| horsepower (boiler) | | 13.155 | | horsepower (mech) | kilopascal | | 1,000. | | pascal |
| horsepower (boiler) | | 13.1497 | | horsepower (electric) | kilopascal | | 0.01 | | bar |
| horsepower (boiler) | | 13.337 | | horsepower (metric) | kilopascal | | 0.14504 | | pound force/inch ² |
| horsepower (boiler) | | 13.149 | | horsepower (metric) | kilopascal | | 0.33456 | | feet of H ₂ O |
| horsepower (boiler) | | 9809.5 | | joules/sec | kilopascal | | 0.29637 | | inches of Hg |
| horsepower (boiler) | | 9.8095 | | kilowatts | kilopascal | | 0.001 | | megapascal |
| horsepower (electric) | | 2547.16 | | btu/hr | kilopascal | | 0.00987 | | atmosphere |
| horsepower (electric) | | 178.298 | | calories, gram/sec | kilowatts | | 3414.4 | | btu/hr |
| horsepower (electric) | | 7.46 x 10 ⁹ | | ergs/second | kilowatts | | 2655000 | | foot-pound force/hr |
| horsepower (electric) | | 1.0004 | | horsepower (mech) | kilowatts | | 1.34 | | horsepower (elec & mech) |
| horsepower (electric) | | 0.0745 | | horsepower (boiler) | kilowatts | | 0.1019 | | horsepower (boiler) |
| horsepower (electric) | | 1.01428 | | horsepower (metric) | kilowatts | | 1.3596 | | horsepower (metric) |
| horsepower (electric) | | 0.99994 | | horsepower (metric) | knots | | 0.868976 | | kilometers/hour |
| horsepower (electric) | | 746 | | joules/sec | knots | | 1.688 | | feet/second |
| horsepower (electric) | | 0.746 | | kilowatts | knots | | 1.1508 | | miles/hour |
| horsepower (metric) | | 2511.3 | | btu/hr | leagues | | 18240.0 | | feet |
| horsepower (metric) | | 632800 | | calories, gram/hr | liter | | 0.03531 | | foot ³ |
| horsepower (metric) | | 7.355 x 10 ⁹ | | ergs/second | liter | | 0.001 | | meter ³ |
| horsepower (metric) | | 0.9863 | | horsepower (mech) | liter | | 1,000. | | milliliter ³ |
| horsepower (metric) | | 0.07498 | | horsepower (boiler) | liter | | 2.113 | | pint |
| horsepower (metric) | | 0.9859 | | horsepower (electric) | liter | | 1.057 | | quart |
| horsepower (metric) | | 0.98587 | | horsepower (water) | liter | | 0.2642 | | gallon |
| horsepower (metric) | | 735.499 | | watts | liter | | 1. | | decimeter ³ |
| horsepower (metric) | | 0.7355 | | kilowatts | liter/minute | | 0.0353 | | foot ³ /minute |
| horsepower (water) | | 0.076 | | horsepower (boiler) | liter/minute | | .26417 | | gallon/minute |
| horsepower (water) | | 1.00006 | | horsepower (electric) | liter/second | | 0.035315 | | foot ³ /second |
| horsepower (water) | | 1.00046 | | horsepower (mech) | liter/second | | 15.851 | | gallon/minute |
| horsepower (water) | | 1.0143 | | horsepower (metric) | liter/second | | 10.800 | | gallons/in/mile/day |
| horsepower (water) | | 0.746043 | | kilowatts | liter/mm/km/day | | 10.800 | | gallons/in/mile/day |
| inch | | 25.4 | | millimeters | liter/mm/km/day | | 0.001 | | meter ³ /second |
| inch | | 2.54 | | centimeter | lumens | | 0.0015 | | watts |
| inch | | 0.08333 | | feet | lumens/foot ² | | 10.7639 | | lumens/meter ² |
| inch | | 0.0278 | | yards | lux | | 0.0929 | | foot-candles |
| inch | | 1000 | | mils | megapascal | | 1,000. | | kilopascal |
| inch of Hg | | 3.37416 | | kilopascal | megapascal | | 145.0377 | | pound force/inch ² |
| inch of Hg | | 0.49116 | | pound force/inch ² | megapascal | | 9.86923 | | atmosphere |
| inch of Hg | | 0.03342 | | Atmosphere | megapascal | | 10. | | bar |
| inch of Hg | | 0.03386 | | bars | meter | | 3.28084 | | foot |
| inch of Hg | | 34.532 | | grams force/cm ² | | | | | |

| UNIT | x | FACTOR | = | UNIT | UNIT | x | FACTOR | = | UNIT |
|-------------------------------|---|-----------|---|-------------------------------|-------------------------------|---|------------|---|--------------------------------|
| meter | | 1.09361 | | yard | ounce-force/inch ² | | 0.0625 | | pound force/inch ² |
| meter | | 0.00062 | | mile | parts/million | | 0.05842 | | grains/gallon (US) |
| meter | | 0.1988 | | rods | parts/million | | 1.0 | | grams/ton (metric) |
| meter ² | | 10.76391 | | foot ² | parts/million | | 0.0001 | | percent |
| meter ² | | 1.19599 | | yard ² | pascal | | 1. | | newton/meter ² |
| meter ² | | 0.00025 | | acre | pascal | | 0.00750062 | | torr |
| meter ² | | 0.0001 | | hectare | pint | | 0.4732 | | liter |
| meter ³ | | 0.00081 | | acre feet | pint | | 0.01671 | | feet ³ |
| meter ³ | | 35.315 | | foot ³ | pint | | 28.875 | | inch ³ |
| meter ³ | | 264.17 | | gallon | poise | | 0.100 | | pascal-second |
| meter ³ | | 1.308 | | yard ³ | pound | | 7000 | | grains |
| meter ³ | | 1,000. | | liter | pound | | 453.5924 | | gram |
| meter ³ | | 0.00081 | | acre feet | pound | | 0.45359 | | kilogram |
| meter ³ /second | | 35.315 | | foot ³ /second | pound | | 0.00045 | | metric ton (tonne) |
| meter ³ /second | | 15,850.3 | | gallon/minute | pound | | 0.0005 | | ton |
| meter ³ /second | | 1.00. | | liter/second | pound | | 16. | | ounce |
| meter ³ /second | | 22.82447 | | million gallons/day | pound | | 0.0005 | | ton |
| meters/second ² | | 3.280840 | | feet/second ² | pound (apoth or troy) | | 0.82286 | | pound(avdp) |
| metric ton (tonne) | | 2,204.6 | | pound | pound force | | 4.44822 | | newton |
| metric ton (tonne) | | 1.1023 | | ton (US) | pound force/inch ² | | 6,894.757 | | pascal |
| metric ton (tonne) | | 1,000. | | kilogram | pound force/inch ² | | 6.89476 | | kilopascal |
| metric ton/meter ³ | | 0.84277 | | ton/yard ³ | pound force/inch ² | | 0.00689 | | megapascal |
| micrometers | | 10000.0 | | angstroms | pound force/inch ² | | 0.07031 | | kilogram force/cm ² |
| mile (statute) | | 1,609.344 | | meter | pound force/inch ² | | 6,894.757 | | newton/meter ² |
| mile (statute) | | 1.60934 | | kilometer | pound force/inch ² | | 0.06895 | | bar |
| mile (statute) | | 5,280. | | foot | pound force/inch ² | | 0.06805 | | atmosphere |
| mile (statute) | | 1,760. | | Yard | pound force/inch ² | | 2.307 | | feet of H ₂ O |
| mile ² | | 640.0 | | acre | pound force/inch ² | | 2.036 | | inch of Hg |
| miles/hour | | .447 | | meter/sec | pound of H ₂ O | | 0.01602 | | feet ³ |
| miles/hour | | 88.0 | | feet/minute | pound/foot | | 1.48816 | | kilogram/metre |
| miles/hour | | 1.609344 | | meter/sec | pound/foot ³ | | 16.01846 | | kilogram/meter ³ |
| miles/hour | | 1.6093 | | kilometers/hour | pound/foot ³ | | 0.0135 | | ton/yard ³ |
| miles/hour | | 1.852 | | knots | pound/gallon | | 119.82640 | | kilogram/rmeter ³ |
| miles/hour | | 1.6093 | | kilometers/hour | pound/yard ³ | | 0.59328 | | kilogram/rmeter ³ |
| miles/hour | | 1.852 | | knots | quart | | 0.9463 | | liter |
| millimeter ² | | 0.00155 | | inch ² | quart | | 2.0 | | pint |
| millimeter ² | | 0.00155 | | foot ² | rods | | 502.92 | | centimeter |
| millimeter ³ | | 0.00006 | | inch ³ | radians | | 57,2957 | | degrees |
| milliliters | | 1.00 | | cm ³ | tablespoon | | 180 | | drops of liquid |
| milliliters | | 0.06102 | | inch ³ | teaspoon | | 60 | | drops of liquid |
| milliliters | | 0.001 | | liters | ton | | 0.90719 | | metric ton (tonne) |
| milliliters | | 0.0338 | | ounces (fld) | ton | | 907.18 | | kilogram |
| milliliters | | 0.00211 | | pints (fld) | ton/yard ³ | | 1,186.553 | | kilogram/meter ³ |
| millimeters | | 0.03937 | | inches | ton/yard ³ | | 1.18655 | | metric ton/meter ³ |
| millimeters | | 0.00328 | | foot | ton/yard ³ | | 74.07407 | | pound/foot ³ |
| millimeters | | 0.01 | | centimeters | torr (Torricellis) | | 1.0 | | mm of Hg |
| millimeters | | 0.001 | | meters | watts | | 0.000948 | | btu/sec |
| millimeters | | 39.37 | | mils | watts | | 680 | | lumens |
| millimeters | | 1000.0 | | microns | watts | | 0.00134 | | horsepower |
| millimeters | | 1000.0 | | micrometers | yard | | 0.91440 | | meter |
| million gallons/day | | 694.44 | | gallon/minute | yard | | 91.44 | | centimeter |
| million gallons/day | | 0.04381 | | meter ³ /second | yard | | 0.0005682 | | miles |
| newton | | 0.22481 | | pound force | yard ² | | 0.83613 | | meter ² |
| newton | | 0.10197 | | kilogram force | yard ² | | 9.0 | | foot ² |
| newton meter | | 0.73756 | | foot pound force | yard ² | | 0.00021 | | acre |
| newton meter | | 8.85073 | | inch pound force | yard ³ | | 0.7646 | | meter |
| newton/meter ² | | 0.00015 | | pound force/inch ² | yard ³ | | 27.0 | | foot ³ |
| newton/meter ² | | 1.0 | | pascal | | | | | |
| ohms | | 100000.0 | | micro ohms | | | | | |
| ounce | | 28.3495 | | gram | | | | | |
| ounce | | 437.5 | | grain | | | | | |
| ounce | | 0.02835 | | pound | | | | | |
| ounce | | 0.2835 | | kilogram | | | | | |
| ounce-force/inch ² | | 4.3942 | | gram-force/cm ² | | | | | |