

Conversion Table

Head - Pressure Equivalents	Flow Equivalents
Feet of Water = PSI x 2.31 PSI = Feet of Water x .433	Gal/min = Ft ³ /hr x 0.1247
Feet of Water = BAR x 33.513	Gal/min = L/min x 0.2642
Feet of Water = MPa x 335.130	Gal/min = M ³ /hr x 4.4028
Feet of Water = Kg/m ² x .0033	Ft ³ /hr = Gal/min x 8.0208
Feet of Water = Atmospheres x 33.957	Ft ³ /hr = L/min x 2.1189
PSI = Feet of Water x .4328	Ft ³ /hr = M ³ /hr x 35.3147
PSI = BAR x 14.504	L/min = Gal/min x 3.7854
PSI = MPa x 145.038	L/min = Ft ³ /hr x 0.4719
PSI = Kg/m ² x .0014	L/min = M ³ /hr x 16.6667
PSI = Atmospheres x 14.696	M ³ /hr = Gal/min x 0.2271
BAR = Feet of Water x 0.298	M ³ /hr = Ft ³ /hr x 1.6990
BAR = PSI x 0.0689	M ³ /hr = L/min x 0.06
BAR = MPa x 10	Torque Equivalents
BAR = Kg/m ² x 9.80665e-005	Pound(force)-foot = Pound(force)-inch x .0833
BAR = Atmospheres x 1.01325	Pound(force)-inch = Newton Meter x 8.8508
MPa = Feet of Water x 0.0030	Newton Meter = Pound(force)-inch x .1130
MPa = PSI x 0.0069	Area Equivalents
MPa = BAR x 0.1	Inch ² = Centimeter ² x .1550
MPa = Kg/m ² x 9.80665e-006	Inch ² = Foot ² x 144
MPa = Atmospheres x 0.1013	Centimeter ² = Meter ² x 10000
Kg/m ² = Feet of Water x 304.275	Distance Equivalents
Kg/m ² = PSI x 703.0696	Inch = Micrometer x 3.9370e-005
Kg/m ² = BAR x 10197.16	Inch = Millimeter x 0.0394
Kg/m ² = MPa x 101971.6	Inch = Meter x 39.3700
Kg/m ² = Atmospheres x 10332.27	Inch = Feet x 12
Atmospheres = Feet of Water x 0.02945	Inch = Yards x 36
Atmospheres = PSI x .0680	Yard = Meter x 1.0936
Atmospheres = BAR x 0.9869	Mile = Feet x 5280
Atmospheres = MPa x 9.869	Mile = Kilometer x .6214
Atmospheres = Kg/m ² x 9.678411e-005	Density Equivalents
Volume Equivalents	Gram/cm ³ = Kilogram/m ³ x .001
Cubic Centimeter = Cubic Inch x 16.3871	Gram/cm ³ = Pound/in ³ x 27.6799
Gallon = Cubic Meter x 264.1721	Pound/in ³ = Pound/ft ³ x 0.00058
Gallon = Cubic Foot x 7.4805 Gallon = Cubic Foot x 7.4805	Energy Equivalents
Cubic Inch = Cubic Foot x 1728	BTU = Calorie x .0040
Liter = Gallon x 3.7854	Joule = BTU x 1055.056
Ounce = Gallon x 128	Kilowatt-hour = Horsepower-hour x 0.74570
Quart = Liter x 1.0567	Power Equivalents
Velocity Equivalent	BTU/hour = Calorie/sec x 14.28595
M/sec = Ft/sec x .03048	BTU/hour = Horsepower x 2546.70
Ft/sec = M/sec x 3.208 Ft/sec = M/sec x 3.208	Horsepower = Kilowatt x 1.3410
Temperature Equivalent	Mass Equivalents
°F = 9/5 °C + 32	Gram = Ounce (avdp) x 28.3495
°C = 5/9(°F-32)	Ounce (avdp) = Pound (advp) x 16
°K = °C + 273.2	Pound (advp) = Kilogram x 2.20462
Free Fall (g)	
Free Fall (g) = 32.17417 Ft/sec ²	
Free Fall (g) = 9.80665 M/sec ²	