

CONVERSION TABLES

FLOW

Lbs of Water/Hr x .002	= Gal Min
Gal/Min x 500	= Lbs of Water/Hr
Lbs of Fluid/Hr x .002	= Gal Min
Specific Gravity	
Liters/Min x .264	= Gal/Min (US)
GPM x 3.785	= Liters/Min
Cu Meters/Hr x 4.4	= Gal/Min (US)
Gal/Min x .227	= Cu Meters/Hr
Kg of Water/Min x .264	= Gal/Min (US)
Gal/Min x 3.8	= Kg of Water/Min

PRESSURE

Ft of Water x .433	= PSI
PSI x 2.31	= Ft of Water
Inches Hg x .491	= PSI
Inches Hg x 1.133	= Ft of Water
ATM x 14.7	= PSI
ATM x 33.9	= Ft of Water
Kg/Sq cm x 14.22	= PSI
Meters of Water x 1.42	= PSI
ATM x 760	= mm Hg
mm Hg x .039	= Inches Hg
Bar x 14.5	= PSI
Newton/Meter ² x 1	= Pascal
PSI x 6.9	= kPa (Kilopascal)
kPa x .145	= PSI

VOLUME

Lbs Water x .119	= Gal
Gal (Brit) x 1.2	= Gal (US)
Gal x 128	= Fluid Ounces
Cubic Ft x 7.48	= Gal
Cubic In x .00433	= Gal
Gal x 3.785	= Liters
Liter x .264	= Gal
Cubic Meters x 264.2	= Gallons
Cubic Meter x 1000	= Liter
Liters x 1000	= Cubic Centimeters
Cubic Centimeters x .0338	= Fluid Ounces
Fluid Ounces x 29.57	= Cubic Centimeters

Viscosity Conversion (Approx)

Absolute Viscosity (Centipoise)	= Kinematic Viscosity
Specific Gravity	(Centistokes)
SSU x 0.216	=
Saybolt Furol x 2.16	=
Redwood Std x .237	=
Redwood Admiralty x 2.34	=
Engler-Degrees x 7.45	=
Ford Cup #4 x 3.76	=
MacMichael x .415	=
Stormer x 2.81	=

LENGTH

Mils x .001	= Inches
Meters x 3.281	= Feet
Centimeters x .394	= Inches
Millimeters x .0394	= Inches
Microns x .0000394	= Inches

MASS

Gal of Water x 8.336	= Lbs
Cubic Ft of Water x 62.4	= Lbs
Ounces x .0625	= Lbs
Kilograms x 2.2	= Lbs
Lbs x .454	= Kilograms
Metric Ton x 2205	= Lbs

TEMPERATURE

(1.8 x °C) + 32	= °F
.555 (°F - 32°)	= °C
Degrees Kelvin - 273.2	= Degrees Centigrade

POWER

HP = $\frac{T \text{ (Ft Lb)} \times \text{RPM}}{5250}$	= $\frac{T \text{ (In Lb)} \times \text{RPM}}{63025}$
HP = $\frac{\text{Disp (Gals)} \times \text{RPM} \times \text{PSI}}{1714 \times \text{EFF}}$	
Horsepower x .746	= Kilowatts
Horsepower x 42.44	= BTU/Min
Metric Horsepower x .9863	= Horsepower

MISC

Average Absolute Atmospheric Pressure

Altitude Above Sea Level	PSIA	IN Hg
0	14.7	29.9
500	14.4	29.4
1,000	14.2	28.9
1,500	13.9	28.3
2,000	13.7	27.8
3,000	13.2	26.8
4,000	12.7	25.9
5,000	12.2	24.9
6,000	11.7	24.0
7,000	11.3	23.1

Heat of Fusion of Water = 144 BTU/Lb

Heat of Vaporization of Water = 970 BTU/Lb

