

Quantity	SI (Metric) Unit	Equal US Customary Unit
Length	meter (m) meter (m) millimeter (mm)	3.281 feet (ft) 39.37 inches (in) 0.03937 inches (in)
Area	square meter (m ²) square meter (m ²) square millimeter (mm ²)	10.76 ft ² 1550 in ² 0.001550 in ²
Volume	cubic meter (m ³) cubic meter (m ³) liter liter liter	35.31 ft ³ 264.2 gallons (gal) 0.03531 ft ³ 61.02 in ³ 0.2642 gal
Mass	kilogram (kg)	2.205 pounds mass (lbm)
Force	Newton (N)	0.2248 pounds force (lbf)
Pressure	Pascal (Pa) or (N/m ²) bar kiloPascal (kPa) or (kN/m ²) kilogram-force/square centimeter (kgf/cm ²) or kilopond (kp/cm ²)	1.450x10 ⁻⁴ lbf/in ² (psi) 14.504 lbf/in ² (psi) 0.1450 lbf/in ² (psi) 14.223 lbf/in ² (psi)
Enthalpy	Joule/gram (J/g)	0.4299 Btu/lbm
Temperature	Kelvin (K) Kelvin (K) °Celsius (°C)	1.800° Rankine (°R) 1.8K-459.67=°Fahrenheit (°F) 1.8°C + 32 = °F
Flow Coefficient	K _v (m ³ /hr/bar ^{1/2}) 1.1562 K _v	0.8649C _v (gpm/psi ^{1/2}) C _v
Flow Rate	cubic meter/hour(m ³ /h) kilogram/hour (kg/h) kilogram/hour (kg/h)	4.403 gal/min (gpm) 0.00441*G _f gal/min (gpm) 2.205 lbm/h