

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 <sup>2</sup> ) square meter (m <sup>2</sup> ) square millimeter (mm <sup>2</sup> )	10.76 ft <sup>2</sup> 1550 in <sup>2</sup> 0.001550 in <sup>2</sup>
Volume	cubic meter (m <sup>3</sup> ) cubic meter (m <sup>3</sup> ) liter liter liter	35.31 ft <sup>3</sup> 264.2 gallons (gal) 0.03531 ft <sup>3</sup> 61.02 in <sup>3</sup> 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 <sup>2</sup> ) bar kiloPascal (kPa) or (kN/m <sup>2</sup> ) kilogram-force/square centimeter (kgf/cm <sup>2</sup> ) or kilopond (kp/cm <sup>2</sup> )	1.450x10 <sup>-4</sup> lbf/in <sup>2</sup> (psi) 14.504 lbf/in <sup>2</sup> (psi) 0.1450 lbf/in <sup>2</sup> (psi) 14.223 lbf/in <sup>2</sup> (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 <sub>v</sub> (m <sup>3</sup> /hr/bar <sup>1/2</sup> ) 1.1562 K <sub>v</sub>	0.8649C <sub>v</sub> (gpm/psi <sup>1/2</sup> ) C <sub>v</sub>
Flow Rate	cubic meter/hour(m <sup>3</sup> /h) kilogram/hour (kg/h) kilogram/hour (kg/h)	4.403 gal/min (gpm) 0.00441*G <sub>f</sub> gal/min (gpm) 2.205 lbm/h