

| 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 |