

Pressure Unit Conversion Table

| | atm | ata (kg/cm ²) | Torr (mm Hg) | in Hg (32°F) | mm water (4°C) | in water (60°F) | bar | Mpa | Kpa | PSI (lb/in) |
|------------------------------|------------------------|------------------------------|-----------------|------------------------|----------------------|------------------------|------------------------|------------------------|-----------------------|------------------------|
| atm | 1 | 1.033 | 760 | 29.92 | 10332.56 | 406.79 | 1.013 | 0.1013 | 101.32 | 14.69 |
| ata (kg/cm ²) | 0.968 | 1 | 735.56 | 28.96 | 10000.03 | 393.71 | 0.981 | 0.0981 | 98.07 | 14.22 |
| Torr (mm Hg) | 1.316x10 ⁻³ | 1.36 x10 ⁻³ | 1 | 0.03937 | 13.60 | 0.535 | 1.333x10 ⁻³ | 1.333x10 ⁻⁴ | 0.1333 | 0.0194 |
| in Hg (32°F) | 0.03342 | 0.0345 | 25.4 | 1 | 345.40 | 13.60 | 0.03386 | 3.387x10 ⁻³ | 3.387 | 0.491 |
| mm water (4°C) | 9.67x10 ⁻⁵ | 9.99x10 ⁻⁵ | 0.0736 | 2.895x10 ⁻³ | 1 | 2.904x10 ⁻³ | 9.81x10 ⁻⁵ | 9.81x10 ⁻⁶ | 9.81x10 ⁻³ | 1.422x10 ⁻³ |
| in water (60°F) | 2.456x10 ⁻³ | 2.54x10 ⁻³ | 1.866 | 0.0736 | 25.4 | 1 | 2.49x10 ⁻³ | 2.49x10 ⁻⁴ | 0.249 | 0.03613 |
| bar | 0.9872 | 1.02 | 750.06 | 29.53 | 10197.44 | 401.47 | 1 | 0.1 | 100 | 14.50 |
| Mpa | 9.872 | 10.20 | 7500 | 295.3 | 101974.42 | 4018.60 | 10 | 1 | 1000 | 145 |
| Kpa | 9.87x10 ⁻³ | 0.01 | 7.50 | 0.2953 | 101.97 | 4.018 | 0.01 | 0.001 | 1 | 0.145 |
| PSI (lb/in) | 0.068 | 0.070 | 51.71 | 2.036 | 703.09 | 27.71 | 0.0689 | 6.893x10 ⁻³ | 6.893 | 1 |