# Water Boiling Point vs Altitude Table

*Basis: ISA standard atmosphere: P = 101.325 × (1 − 2.25577 × 10−5 h)^5.25588 kPa, with h in m; boiling point from IAPWS IF97 saturation line.*

instrumentationblog.in/downloads/engineering-reference-tables/water-boiling-point-altitude-table/

## Pressure and boiling point vs altitude

| Altitude m | Altitude ft | Pressure kPa | Pressure bar | Boiling °C | Boiling °F |
|---|---|---|---|---|---|
| 0 | 0 | 101.33 | 1.0132 | 99.97 | 212.0 |
| 250 | 820 | 98.36 | 0.9836 | 99.14 | 210.5 |
| 500 | 1640 | 95.46 | 0.9546 | 98.31 | 209.0 |
| 750 | 2461 | 92.63 | 0.9263 | 97.48 | 207.5 |
| 1000 | 3281 | 89.87 | 0.8987 | 96.65 | 206.0 |
| 1250 | 4101 | 87.18 | 0.8718 | 95.82 | 204.5 |
| 1500 | 4921 | 84.56 | 0.8456 | 94.98 | 203.0 |
| 1750 | 5741 | 81.99 | 0.8199 | 94.15 | 201.5 |
| 2000 | 6562 | 79.50 | 0.7950 | 93.32 | 200.0 |
| 2250 | 7382 | 77.06 | 0.7706 | 92.48 | 198.5 |
| 2500 | 8202 | 74.68 | 0.7468 | 91.64 | 197.0 |
| 2750 | 9022 | 72.37 | 0.7237 | 90.81 | 195.5 |
| 3000 | 9843 | 70.11 | 0.7011 | 89.97 | 194.0 |
| 3250 | 10,663 | 67.91 | 0.6791 | 89.14 | 192.4 |
| 3500 | 11,483 | 65.76 | 0.6576 | 88.30 | 190.9 |
| 3750 | 12,303 | 63.68 | 0.6368 | 87.46 | 189.4 |
| 4000 | 13,123 | 61.64 | 0.6164 | 86.62 | 187.9 |
| 4250 | 13,944 | 59.66 | 0.5966 | 85.78 | 186.4 |
| 4500 | 14,764 | 57.73 | 0.5773 | 84.94 | 184.9 |
| 4750 | 15,584 | 55.85 | 0.5585 | 84.10 | 183.4 |
| 5000 | 16,404 | 54.02 | 0.5402 | 83.25 | 181.9 |

### Notes

- Weather changes local pressure by a few kPa; use a barometer for calibration work.
- Altitude also affects gauge pressure instruments referenced to atmosphere.

*Free download from instrumentationblog.in. Check values against the current edition of the standard for design work.*