

Umrechnungsfaktoren

Druck Einheiten

SI-Einheiten - Technische Einheiten (metrisch)

| | | SI-Einheiten | | | | | | Technische Einheiten | | | | | | |
|----------------------|----------------|----------------------------|----------------------------|----------------------------|---------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|-----------------------------|-----|
| | | nach | bar | mbar | µbar | Pa | kPa | MPa | mmHg | mmWS | mWS | kp/mm ² | kp/cm ² | atm |
| | | von | | | | | | | | | | | | |
| SI-Einheiten | 1 bar | 1 | 10 ³ | 10 ⁶ | 10 ⁵ | 100 | 0,1 | 750,064 | 10,1972 · 10 ⁻³ | 10,1972 | 10,1972 · 10 ⁻³ | 1,01972 | 0,986923 | |
| | 1 mbar | 10 ⁻³ | 1 | 10 ³ | 100 | 0,1 | 0,1 · 10 ⁻³ | 750,064 · 10 ⁻³ | 10,1972 | 10,1972 · 10 ⁻³ | 10,1972 · 10 ⁻⁶ | 1,01972 · 10 ⁻³ | 0,986923 · 10 ⁻³ | |
| | 1 µbar | 10 ⁻⁶ | 10 ⁻³ | 1 | 0,1 | 0,1 · 10 ⁻³ | 0,1 · 10 ⁻⁶ | 750,064 · 10 ⁻⁶ | 10,1972 · 10 ⁻³ | 10,1972 · 10 ⁻⁶ | 10,1972 · 10 ⁻⁹ | 1,01972 · 10 ⁻⁶ | 0,986923 · 10 ⁻⁶ | |
| | 1 Pa | 10 ⁻⁵ | 0,01 | 10 | 1 | 10 ⁻³ | 10 ⁻⁶ | 7,50064 · 10 ⁻³ | 101,972 · 10 ⁻³ | 101,972 · 10 ⁻⁶ | 101,972 · 10 ⁻⁹ | 10,1972 · 10 ⁻⁶ | 9,86923 · 10 ⁻⁶ | |
| | 1 kPa | 0,01 | 10 | 10 · 10 ³ | 10 ³ | 1 | 10 ⁻³ | 7,50064 | 101,972 | 101,972 · 10 ⁻³ | 101,972 · 10 ⁻⁶ | 10,1972 · 10 ⁻³ | 0,986923 · 10 ⁻³ | |
| | 1 MPa | 10 | 10 · 10 ³ | 10 · 10 ⁶ | 10 ⁶ | 10 ³ | 1 | 7,50064 · 10 ³ | 101,972 · 10 ³ | 101,972 | 101,972 · 10 ⁻³ | 10,1972 | 9,86923 | |
| Technische Einheiten | 1 mmHg | 1,33322 · 10 ⁻³ | 1,33322 | 1,33322 · 10 ³ | 133,322 | 133,322 · 10 ⁻³ | 133,322 · 10 ⁻⁶ | 1 | 13,5951 | 13,5951 · 10 ⁻³ | 13,5951 · 10 ⁻⁶ | 1,35951 · 10 ⁻³ | 1,31579 · 10 ⁻³ | |
| | 1 mmWS | 98,0665 · 10 ⁻⁶ | 98,0665 · 10 ⁻³ | 98,0665 | 9,80665 | 9,80665 · 10 ⁻³ | 9,80665 · 10 ⁻⁶ | 73,5561 · 10 ⁻³ | 1 | 10 ⁻³ | 10 ⁻⁶ | 0,1 · 10 ⁻³ | 96,7841 · 10 ⁻⁶ | |
| | 1 mWS | 98,0665 · 10 ⁻³ | 98,0665 | 98,0665 · 10 ³ | 9,80665 | 9,80665 · 10 ³ | 9,80665 · 10 ⁻³ | 73,5561 | 10 ³ | 1 | 10 ⁻³ | 0,1 | 96,7841 · 10 ⁻³ | |
| | 1 kp/mm | 98,0665 | 98,0665 · 10 ³ | 98,0665 · 10 ⁶ | 9,80665 · 10 ⁶ | 9,80665 · 10 ³ | 9,80665 | 73,5561 · 10 ³ | 10 ⁶ | 10 ³ | 1 | 100 | 96,7841 | |
| | 1 kp/cm | 0,980665 | 0,980665 · 10 ³ | 0,980665 · 10 ⁶ | 98,0665 · 10 ³ | 98,0665 | 98,0665 · 10 ⁻³ | 735,561 | 10 · 10 ³ | 10 | 0,01 | 1 | 0,967841 | |
| | 1 atm | 1,01325 | 1,01325 · 10 ³ | 1,01325 · 10 ⁶ | 101,325 · 10 ³ | 101,325 | 101,325 · 10 ⁻³ | 760 | 10,3323 · 10 ³ | 10,3323 | 10,3323 · 10 ⁻³ | 1,03323 | 1 | |

- Weitere Beziehungen:
- 1 Pa = 1 N/m²
 - 1 hPa = 1 mbar
 - 1 mmHg = 1 Torr
 - 1 kp/cm² = 1 at (atü)

SI-Einheiten - Technische Einheiten (zoll-abhängig)

| | | SI-Einheiten | | | | | | Technische Einheiten | | | | |
|----------------------|-----------------------------|-----------------------------|----------------------|----------------------------|----------------------------|----------------------------|-----------------------------|------------------------------|-----------------------------|----------------------------|------------------------------|--------|
| | | nach | bar | mbar | µbar | Pa | kPa | MPa | psi | ft H ₂ O | in. H ₂ O | in. Hg |
| | | von | | | | | | | | | | |
| SI-Einheiten | 1 bar | 1 | 10 ³ | 10 ⁶ | 10 ⁵ | 100 | 0,1 | 14,50377 | 33,4553 | 401,463 | 29,52998 | |
| | 1 mbar | 10 ⁻³ | 1 | 10 ³ | 100 | 0,1 | 0,1 · 10 ⁻³ | 14,50377 · 10 ⁻³ | 33,4553 · 10 ⁻³ | 401,463 · 10 ⁻³ | 29,52998 · 10 ⁻³ | |
| | 1 µbar | 10 ⁻⁶ | 10 ⁻³ | 1 | 0,1 | 0,1 · 10 ⁻³ | 0,1 · 10 ⁻⁶ | 14,50377 · 10 ⁻⁶ | 33,4553 · 10 ⁻⁶ | 401,463 · 10 ⁻⁶ | 29,52998 · 10 ⁻⁶ | |
| | 1 Pa | 10 ⁻⁵ | 0,01 | 10 | 1 | 10 ⁻³ | 10 ⁻⁶ | 0,1450377 · 10 ⁻³ | 0,334553 · 10 ⁻³ | 4,01463 · 10 ⁻³ | 0,2952998 · 10 ⁻³ | |
| | 1 kPa | 0,01 | 10 | 10 · 10 ³ | 10 ³ | 1 | 10 ⁻³ | 0,1450377 | 0,334553 | 4,01463 | 0,2952998 | |
| | 1 MPa | 10 | 10 · 10 ³ | 10 · 10 ⁶ | 10 ⁶ | 10 ³ | 1 | 0,1450377 · 10 ³ | 0,334553 · 10 ³ | 4,01463 · 10 ³ | 0,2952998 · 10 ³ | |
| Technische Einheiten | 1 psi | 68,94757 · 10 ⁻³ | 68,94757 | 68,94757 · 10 ³ | 6,894757 · 10 ³ | 6,894757 · 10 ³ | 6,894757 · 10 ⁻³ | 1 | 2,30666 | 27,6799 | 2,036020 | |
| | 1 ft H₂O | 29,8907 · 10 ⁻³ | 29,8907 | 29,8907 · 10 ³ | 2,98907 · 10 ³ | 2,98907 | 2,98907 · 10 ⁻³ | 433,5275 · 10 ⁻³ | 1 | 12 | 0,8826709 | |
| | 1 in. H₂O | 2,49089 · 10 ⁻³ | 2,49089 | 2,49089 · 10 ³ | 0,249089 · 10 ³ | 0,249089 | 0,249089 · 10 ⁻³ | 36,12729 · 10 ⁻³ | 83,3333 · 10 ⁻³ | 1 | 73,55591 · 10 ⁻³ | |
| | 1 in. Hg | 33,86389 · 10 ⁻³ | 33,86389 | 33,86389 · 10 ³ | 3,386389 · 10 ³ | 3,386389 | 3,386389 · 10 ⁻³ | 0,4911542 | 1,132925 | 13,59510 | 1 | |

- Weitere Beziehungen:
- 1 Pa = 1 N/m²
 - 1 psi = 1 lbf/in.²
 - 1 mmHg = 1 Torr
 - 1 kgf/cm² = 1 at