



Conversion table

Technical units

	Unit	bar	mbar	Pa	kPa	mPa	psi	ft H ₂ O	in. H ₂ O	in. Hg	kp/cm ²	atm	mm Hg	mWs
SI Units	1 bar	1	1000	100000	100	0,1	1.450377 .10	3.345526 .10	4.014631 .10 ²	2.952999 .10	1.019716	9.869233 .10 ⁻¹	7.500617 .10 ²	1.019716 .10
	1 mbar	0.001	1	100	0,1	0,0001	1.450377 .10 ⁻²	3.345526 .10 ⁻²	4.014631 .10 ⁻¹	2.952999 .10 ⁻²	1.019716 .10 ⁻³	9.869233 .10 ⁻⁴	7.500617 .10 ⁻¹	1.019716 .10 ⁻²
	1 Pa	0.00001	0.01	1	0,001	0.000001	1.450377 .10 ⁻⁴	3.345526 .10 ⁻⁴	4.014631 .10 ⁻³	2.952999 .10 ⁻⁴	1.019716 .10 ⁻⁵	9.869233 .10 ⁻⁶	7.500617 .10 ⁻³	1.019716 .10 ⁻⁴
	1 kPa	0.01	10	1000	1	0,001	1.450377 .10 ⁻¹	3.345526 .10 ⁻¹	4.014631	2.952999 .10 ⁻¹	1.019716 .10 ⁻²	9.869233 .10 ⁻³	7.500617	1.019716 .10 ⁻¹
	1 MPa	10	10000	1000000	1000	1	1.450377 .10 ²	3.345526 .10 ²	4.014631 .10 ³	2.952999 .10 ²	1.019716 .10	9.869233	7.500617 .10 ³	1.019716 .10 ²
ANSI- and B.S. Units	1 psi	6.894757 .10 ⁻²	6.894757 .10	6.894757 10 ³	6.894757	6.894757 .10 ⁻³	1	2.306659	2.767990 .10	2.036021	7.030696 .10 ⁻²	6.804596 .10 ⁻²	5.171493 .10	7.030696 .10 ⁻¹
	1 ft H ₂ O	2.989067 .10 ⁻²	2.989067 .10	2.989067 10 ³	2.989067	2.989067 .10 ⁻³	4.335275 .10 ⁻¹	1	12	8.826711 .10 ⁻¹	3.048000 .10 ⁻²	2.949980 .10 ⁻²	2.241985 .10	3.048000 .10 ⁻¹
	1 in. H ₂ O	2.490889 .10 ⁻³	2.490889	2.490889 .10 ²	2.490889	2.490889 .10 ⁻¹	3.612729 .10 ⁻²	8.333333 .10 ⁻²	1	7.355592 .10 ⁻²	2.540000 .10 ⁻³	2.458316 .10 ⁻³	1.868320	2.540000 .10 ⁻²
	1 in. Hg	3.386388 .10 ⁻²	3.386388 .10	3.386388 .10 ³	3.386388	3.386388 .10 ⁻³	4.911541 .10 ⁻¹	1.132925	1.359510 .10	1	3.453155 .10 ⁻²	3.342105 .10 ⁻²	25.4	3.453155 .10 ⁻¹
Technical Units	1 kp/cm ²	9.806650 .10 ⁻¹	9.806650 .10 ²	9.806650 .10 ⁴	9.806650 .10	9.806650 .10 ⁻²	1.422334 .10	3.280840 .10	3.937008 .10 ²	2.895903 .10	1	9.678411 .10 ⁻¹	7.355592 .10 ²	10
	1 atm	1.013250	1.013250 .10 ³	1.013250 .10 ⁵	1.013250 .10 ²	1.013250 .10 ⁻¹	1.469595 .10	3.389854 .10	4.067825 .10 ²	2.992126 .10	1.033227	1	760	1.033227 .10
	1 mm Hg	1.333224 .10 ⁻³	1.333224	1.333224 .10 ²	1.333224 .10 ¹	1.333224 .10 ⁻¹	1.933677 .10 ⁻²	4.460334 .10 ⁻²	5.352401 .10 ⁻¹	3.937008 .10 ⁻²	1.359510 .10 ⁻³	1.315789 .10 ⁻³	1	1.359510 .10 ⁻²
	1 mWS	9.806650 .10 ⁻²	9.806650 .10	9.806650 .10 ³	9.806650	9.806650 .10 ⁻³	1.422334	3.280840	3.937008 .10	2.895903	0.1	9.678411 .10 ⁻²	7.355592 .10	1

- 1 Pa \triangleq 1 N/m²
- 1 psi \triangleq 1 lb/in.²
- 1 hPa \triangleq 1 mbar
- 1 mm Hg \triangleq 1 Torr
- 1 kp/cm² \triangleq 1 at (atü)
- 1 oz/in.² \triangleq 4,309 223 mbar
- 1 mbar \triangleq 0,232 06 oz/in.²
- 1 oz/in.² \triangleq 1,730 042 in. H₂O
- 1 in. H₂O \triangleq 0,578 021 oz/in.²