

	Pa m ³ /s W	mbar l/s	Torr l/s	atm cm ³ /s	lusec	sccm	slm	Mol/s
Pa m ³ /s	1	10	7.5	9.87	7.5 · 10 ³	592	0.592	4.41 · 10 ⁻⁴
mbar l/s	0.1	1	0.75	0.987	750	59.2	5.92 · 10 ⁻²	4.41 · 10 ⁻⁵
Torr l/s	0.133	1.33	1	1.32	1000	78.9	7.89 · 10 ⁻²	5.85 · 10 ⁻⁵
atm cm ³ /s	0.101	1.01	0.76	1	760	59.8	5.98 · 10 ⁻²	4.45 · 10 ⁻⁵
lusec	1.33 · 10 ⁻⁴	1.33 · 10 ⁻³	10 ⁻³	1.32 · 10 ⁻³	1	7.89 · 10 ⁻²	7.89 · 10 ⁻⁵	5.86 · 10 ⁻⁸
sccm	1.69 · 10 ⁻³	1.69 · 10 ⁻²	1.27 · 10 ⁻²	1.67 · 10 ⁻²	12.7	1	10 ⁻³	7.45 · 10 ⁻⁷
slm	1.69	16.9	12.7	16.7	1.27 · 10 ⁴	1000	1	7.45 · 10 ⁻⁴
Mol/s	2.27 · 10 ³	2.27 · 10 ⁴	1.7 · 10 ⁴	2.24 · 10 ⁴	1.7 · 10 ⁷	1.34 · 10 ⁶	1.34 · 10 ³	1

	cm	inch	ft	K	°C	F
cm	1	0.394	0.033	K	1	K-273.15
inch	2.54	1	0.083	°C	°C+273.15	9/5 °C+32
ft	30.48	12	1	F	5/9 (F+459.67)	5/9 (F-32)

°C	F
100	212
80	176
60	140
40	104
20	68
0	32
- 20	- 4
- 40	- 40

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	Pa N/m ²	bar	mbar	μbar dyn/cm ²	Torr mm Hg	micron μ, mTorr	atm	at	mm WS	psi lbf/inch ²	psf lbf/ft ²
Pa	1	$1 \cdot 10^{-5}$	$1 \cdot 10^{-2}$	10	$7.5 \cdot 10^{-3}$	7.5	$9.87 \cdot 10^{-6}$	$1.02 \cdot 10^{-5}$	0.102	$1.45 \cdot 10^{-4}$	$2.09 \cdot 10^{-2}$
bar	$1 \cdot 10^5$	1	$1 \cdot 10^3$	$1 \cdot 10^6$	750	$7.5 \cdot 10^5$	0.987	1.02	$1.02 \cdot 10^4$	14.5	$2.09 \cdot 10^3$
mbar	100	$1 \cdot 10^{-3}$	1	1000	0.75	750	$9.87 \cdot 10^{-4}$	$1.02 \cdot 10^{-3}$	10.2	$1.45 \cdot 10^{-2}$	2.09
μbar	0.1	$1 \cdot 10^{-6}$	$1 \cdot 10^{-3}$	1	$7.5 \cdot 10^{-4}$	0.75	$9.87 \cdot 10^{-7}$	$1.02 \cdot 10^{-6}$	$1.02 \cdot 10^{-2}$	$1.45 \cdot 10^{-5}$	$2.09 \cdot 10^{-3}$
Torr	$1.33 \cdot 10^2$	$1.33 \cdot 10^{-3}$	1.33	1330	1	1000	$1.32 \cdot 10^{-3}$	$1.36 \cdot 10^{-3}$	13.6	$1.93 \cdot 10^{-2}$	2.78
micron	0.133	$1.33 \cdot 10^{-6}$	$1.33 \cdot 10^{-3}$	1.33	$1 \cdot 10^{-3}$	1	$1.32 \cdot 10^{-6}$	$1.36 \cdot 10^{-6}$	$1.36 \cdot 10^{-2}$	$1.93 \cdot 10^{-5}$	$2.78 \cdot 10^{-3}$
atm	$1.01 \cdot 10^5$	1.013	1013	$1.01 \cdot 10^6$	760	$7.6 \cdot 10^5$	1	1.03	$1.03 \cdot 10^4$	14.7	$2.12 \cdot 10^3$
at	$9.81 \cdot 10^4$	0.981	981	$9.81 \cdot 10^5$	735.6	$7.36 \cdot 10^5$	0.968	1	$1 \cdot 10^4$	14.2	$2.04 \cdot 10^3$
mm WS	9.81	$9.81 \cdot 10^{-5}$	$9.81 \cdot 10^{-2}$	98.1	$7.36 \cdot 10^{-2}$	73.6	$9.68 \cdot 10^{-5}$	$1 \cdot 10^{-4}$	1	$1.42 \cdot 10^{-3}$	0.204
psi	$6.89 \cdot 10^3$	$6.89 \cdot 10^{-2}$	68.9	$6.89 \cdot 10^4$	51.71	$5.17 \cdot 10^4$	$6.8 \cdot 10^{-2}$	$7.02 \cdot 10^{-2}$	702	1	144
psf	47.8	$4.78 \cdot 10^{-4}$	0.478	478	0.359	359	$4.72 \cdot 10^{-4}$	$4.87 \cdot 10^{-4}$	4.87	$6.94 \cdot 10^{-3}$	1