

Conversion Factors of Absolute Pressures in Various Units

Example – To transform 10 mbar to torr: $10 \times 0.75 = 7.5$ torr

	= mbar	= bar	= torr	= in. Hg	= psi (lb/in ²)	= atm	= Pa
mbar x	1	1×10^{-3}	0.75	2.953×10^{-2}	1.45×10^{-2}	9.869×10^{-4}	1×10^2
bar x	1×10^3	1	7.5×10^2	29.53	14.5	0.987	1×10^5
torr x	1.333	1.333×10^{-3}	1	3.937×10^{-2}	1.934×10^{-2}	1.316×10^{-3}	1.33×10^2
inch Hg x	33.86	3.386×10^{-2}	25.4	1	0.491	3.342×10^{-2}	3.386×10^3
psi (lb/in ²) x	68.95	6.895×10^{-2}	51.71	2.036	1	6.805×10^{-2}	6.895×10^3
atm x	1.013×10^3	1.013	7.6×10^2	29.92	14.7	1	1.013×10^5
Pa x	0.01	1×10^{-5}	7.5×10^{-3}	2.953×10^{-4}	1.45×10^{-4}	9.869×10^{-6}	1

Conversion Factors of Flow Rates in Various Units

	= m ³ /h	= m ³ /min	= m ³ /sec	= l/min	= cfm	= gpm
m ³ /h x	1	1.667×10^{-2}	2.778×10^{-4}	16.67	0.588	4.403
m ³ /min x	60	1	1.667×10^{-2}	1×10^3	35.28	2.642×10^2
m ³ /sec x	3,600	60	1	6×10^4	2.117×10^3	1.585×10^4
l/min x	6×10^{-2}	1×10^{-3}	1.667×10^{-5}	1	3.528×10^{-2}	0.264
cfm x	1.699	2.832×10^{-2}	4.72×10^{-4}	28.32	1	7.481
gpm x	0.227	0.378	6.306×10^{-5}	3.784	0.133	1



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