

Unit Conversions

Pressure

	Torr	mbar	Pa	mTorr	psi	atm	in H ₂ O
1 Torr (mm Hg)	1	1.33322	133.322	1 000	0.019337	0.001316	0.535776
1 mbar	0.750064	1	100	750.0638	0.014504	0.000987	0.401865
1 Pa	0.007501	0.01	1	7.500638	0.000145	9.87E-06	0.004019
1 mTorr (micron)	0.001	0.001333	0.133322	1	1.93E-05	1.32E-06	0.000536
1 psi	51,72	68.9476	6894.76	51714.86	1	0.068046	27.70759
1 atm	760	1013.25	101325	760000	14.6959	1	407.1893
1 in H₂O	1.86645	2.4884	248.84	1866.45	0.036091	0.002456	1

Leak rate / Tightness

	atm cc/s	sccm	mbar l/s	torr l/s	slm	Pa m ³ /s	Mol/s
1 atm cc/s	1	59.8	1.01325	0.76	0.0598	0.101325	4.45E-05
1 sccm	0.01672241	1	0.01689189	0.01270903	0.001	0.001689	7.45E-07
1 mbar l/s	0.98692327	59.2	1	0.75006376	0.0592	0.1	4.41E-05
1 torr l/s	1.31578947	78.92662	1.33322	1	0.078927	0.133322	5.85E-05
1 slm	16.722408	1000	16.8918919	12.6699959	1	1.689189	7.45E-04
1 Pa m³/s	9.86923267	592	10	7.50063755	0.592	1	4.41E-04
1 kg Mole/s	2.25E+04	1.34E+06	2.27E+04	1.71E+04	1.34E+03	2.27E+03	1

Pumping speed

	cfm	l/min	l/sec	m ³ /hrs
1 cfm	1	28.31685	0.471948	1.699011
1 l/min	0.035315	1	0.016667	0.06
1 l/sec	2.11888	60	1	3.6
1 m³/hrs	0.588578	16.66667	0.277778	1

Volume

	inch ³	ft ³	liter	cm ³	m ³	gallon
1 inch³	1	0.000579	0.016387	16.38706	0.000016	0.004329
1 ft³	1728	1	28.31685	28316.85	0.028317	7.480519

1 liter	61.02374	0.035315	1	1000	0.001	0.264172
1 cm³	0.061024	3.53E-05	0.001	1	0.000001	0.000264
1 m³	62500	35.31466	1000	1000000	1	264.172
1 gallon	231	0.133681	3.785412	3785.412	0.003785	1