



Conversion Charts

TO USE THESE CHARTS

- 1) Start at the column with the units that you wish to convert from.
- 2) Follow down the chart to where you find the "1".
- 3) Horizontally move from that column to the column with the units that you wish to convert to.
- 4) Multiply the number found in the box by the number that you have to get the converted value. Or use the appropriate formula contained in the box.

FLOW CONVERSION CHART

CFM	GPM	m ³ /Hr	m ³ /min	L/Hr	L/min
1	7.481	1.69907	0.0283	1699.07	28.318
0.134	1	0.227	0.00379	227.1	3.785
0.589	4.403	1	0.0167	1000	16.67
35.31	264.2	60.00	1	60000	1000
0.000589	0.00440	0.001	0.0000167	1	0.0167
0.0353	0.264	0.06	0.001	60.00	1

VOLUME CONVERSION CHART

Ft ³	In ³	Gal	M ³	L
1	1728	7.48	0.0283	28.32
0.000579	1	0.00433	0.0000164	0.0164
0.134	231.0	1	0.00378	3.786
35.34	61060	264.3	1	1000
0.0353	61.02	0.264	0.0010	1

TEMPERATURE CONVERSION CHART

K	R	C	F
1	K x 1.8	K - 273.15	(K - 255.37) x 1.8
R x 0.5556	1	(R - 491.67) x 0.5556	R - 459.67
C + 237.15	(C x 1.8) + 491.67	1	(C x 1.8) + 32
(F + 459.67) x 0.5556	F + 459.67	(F - 32) x 0.5556	1

MISCELLANEOUS CONVERSIONS

#/Hr to ACFM: $\#/Hr(1/60)(379/MW)(760/P)(460+T/250)$
 ACFM to #/Hr: $ACFM(60/1)(MW/379)(P/760)(520/460+T)$

NOTE: Where MW is the molecular weight, P is the operating pressure in TORR, and T is the operating temperature in °F.

PRESSURE CONVERSION CHART

In Hg	Torr (mmHg)	mBar	In H ₂ O	Ft H ₂ O	mm H ₂ O	m H ₂ O	PSI	Pa	kPa	Kg/cm ²	ATM
1	25.40	33.86	13.60	1.133	345.3	0.345	0.491	3386	3.386	0.0345	0.0334
0.0394	1	1.333	0.535	0.0446	13.60	0.0136	0.0193	133.3	0.133	0.00136	0.00132
0.0295	0.750	1	0.402	0.0335	10.20	0.0102	0.0145	100	0.1	0.00102	0.000987
0.0735	1.868	2.490	1	0.0833	25.39	0.0254	0.0361	249.0	0.249	0.00254	0.00246
0.883	22.42	29.89	12.00	1	304.8	0.305	0.434	2989	2.989	0.0305	0.0295
0.0029	0.0736	0.0981	0.0394	0.00328	1	0.001	0.00142	9.806	0.00981	0.000100	0.0000968
2.90	73.55	98.06	39.38	3.281	1000	1	1.422	9806	9.806	0.100	0.0968
2.04	51.71	68.95	27.69	2.307	703.1	0.703	1	6895	6.895	0.0703	0.0680
0.000295	0.0075	0.01	0.00402	0.000335	0.102	0.000102	0.000145	1	0.001	0.0000102	0.0000099
0.295	7.50	10	4.016	0.335	102.0	0.102	0.145	1000	1	0.0102	0.00987
29.0	735.7	980.9	393.9	32.82	10003	10.00	14.23	98088	98.09	1	0.968
29.921	760	1013.25	406.9	33.9	10333	10.333	14.696	101325	101.325	1.033	1

NOTE: All pressure terms are absolute, not gauge.



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 255033 (Rev.2A) 10/02

