

## ◎ 壓力

Kgf/cm <sup>2</sup>	Mpa	Bar	KPa	mBar	psi	mmAq	Torr	atm
						mmH <sub>2</sub> O	mmHg	
1	0.0980665	0.980665	98.0665	980.665	14.2231	10,000	735.559	0.96784
10.19716	1	10	1,000	10,000	145.036	101,971.60	7,500.61	9.8692
1.01972	0.1	1	100	1,000	14.5036	10,197.16	750.062	0.98692
0.010197	0.001	0.01	1	10	0.145	101.9716	7.50062	0.009869
0.0010197	0.0001	0.001	0.1	1	0.0145	10.19716	0.750062	0.0009869
0.07031	0.006895	0.06895	6.895	68.95	1	703.08	51.7157	0.06805
0.0001	0.0000098	0.000098	0.009806	0.098	0.0014223	1	0.0735559	0.0000967
0.0013595	0.0001332	0.0013332	0.13332	1.33321	0.0193364	13.5951	1	0.0013157
1.033228	0.101325	1.0132506	101.325	1013.2506	14.69574	10,332.28	760	1

## ◎ 流量

m <sup>3</sup> /sec	m <sup>3</sup> /min	m <sup>3</sup> /h	l/sec	l/min	l/h	gpm
1	60	3600	1000	60000	3.6x10 <sup>6</sup>	15790
0.0167	1	60	16.667	1000	60000	263.16
0.0003	0.0167	1	0.2778	16.667	1000	4.386
0.001	0.06	3.6	1	60	3600	15.79
1.6667x10 <sup>-5</sup>	0.001	0.06	0.0167	1	60	0.2632
2.7778x10 <sup>-7</sup>	1.6667x10 <sup>-5</sup>	0.001	0.0003	0.0167	1	0.0044
6.3333x10 <sup>-5</sup>	0.0038	0.228	0.0633	3.785	228	1

L/sec	m <sup>3</sup> /h	m <sup>3</sup> /min	gal/min	ft <sup>3</sup> /h	ft <sup>3</sup> /min
1	3.6	0.06	0.0758	0.0079	0.4719
0.2778	1	0.0167	0.021	0.0022	0.1311
16.667	60	1	1.2629	0.1311	7.8653
13.197	47.51	0.7918	1	0.1038	6.228
127.14	457.71	7.6284	9.634	1	60
2.119	7.6284	0.1271	0.1606	0.0167	1

## 黏滯單位

N-sec/M <sup>2</sup>	lbm/ft-s	cP(Centipoise)
1	0.0007	1000
1488.2	1	1.4882x10 <sup>6</sup>
0.001	6.7195x10 <sup>-7</sup>	1

## 長度

mm	cm	M	in	ft	寸	尺
1	0.1	0.001	0.03937	0.00328	0.033	0.0033
10	1	0.01	0.39371	0.03281	0.33	0.033
1000	100	1	39.371	3.28091	33	3.3
25.3995	2.54	0.0254	1	0.08333	0.83818	0.08382
304.79	30.479	0.30479	12	1	10.05816	1.00582
30.303	3.0303	0.0303	1.19305	0.09942	1	0.1
303.03	30.303	0.30303	11.9305	0.99421	10	1
1818.182	181.818	1.81818	71.584	5.9653	60	6

## 能量及熱量換算

J	kg-m	ft-lb	kw-h	馬力	馬力(英)	Kcal	Btu
1	0.102	0.7381	2.7778x10 <sup>-7</sup>	3.777x10 <sup>-7</sup>	3.725x10 <sup>-7</sup>	0.0002	0.0009
9.8	1	7.2334	2.7222x10 <sup>-6</sup>	3.7015x10 <sup>-6</sup>	3.6505x10 <sup>-6</sup>	0.0023	0.0093
1.3548	0.1382	1	3.7634x10 <sup>-7</sup>	5.1172x10 <sup>-7</sup>	5.0467x10 <sup>-7</sup>	0.0003	0.0013
3.6x10 <sup>6</sup>	3.6735x10 <sup>5</sup>	2.6572x10 <sup>6</sup>	1	1.3597	1.341	860.01	3412.3
2.6476x10 <sup>6</sup>	2.7016x10 <sup>5</sup>	1.9542x10 <sup>6</sup>	0.7354	1	0.9862	632.49	2509.6
2.6846x10 <sup>6</sup>	2.7394x10 <sup>5</sup>	1.9815x10 <sup>6</sup>	0.7457	1.014	1	641.32	2544.6
4186	427.14	3089.7	0.0012	0.0016	0.0016	1	3.9678
1055	107.65	778.7	0.0003	0.0004	0.0004	0.252	1