

# practical information

## conversion tables

### units of pressure

1 bar = 100 000 Pa = 100 kPa = 14,5 psi  
 1 Pa = 0,00001 bar = 0,000145 psi  
 1psi = 0,069 bar = 6897,8 Pa

bar	→	kPa	→	psi	psi	→	kPa	→	bar
0.0005		0.05		0.0073	0.007		0.05		0.0005
0.001		0.10		0.0145	0.015		0.1		0.0010
0.005		0.5		0.0725	0.070		0.48		0.0048
0.01		1		0.145	0.150		1.04		0.0104
0.05		5		0.725	0.700		4.83		0.0483
0.069		6.9		1.000	1.000		6.90		0.0690
0.1		10		1.450	1.500		10.35		0.1035
0.25		25		3.625	3.000		20.70		0.2070
0.5		50		7.250	7.000		48.30		0.4830
0.75		75		10.875	10.000		69.00		0.6900
1.0		100		14.500	15.000		103.50		1.0350
1.5		150		21.750	20.000		138.00		1.3800
2.0		200		29.000	25.000		172.50		1.7250
2.5		250		36.250	30.000		207.00		2.0700
3.0		300		43.500	35.000		241.50		2.4150
3.5		350		50.750	40.000		276.00		2.7600
4.0		400		58.000	50.000		345.00		3.4500
4.5		450		65.250	60.000		414.00		4.1400
5.0		500		72.500	70.000		483.00		4.8300
5.5		550		79.750	80.000		552.00		5.5200
6.0		600		87.000	90.000		621.00		6.2100
7.0		700		101.500	100.000		690.00		6.9000
8.0		800		116.000	110.000		759.00		7.5900
9.0		900		130.500	125.000		862.50		8.6250
10.0		1000		145.000	150.000		1035		10.3500
12.0		1200		174.000	175.000		1207.5		12.0750
14.0		1400		203.000	200.000		1380		13.8000
16.0		1600		232.000	225.000		1552.5		15.5250
18.0		1800		261.000	250.000		1725		17.2500
20.0		2000		290.000	300.000		2070		20.7000

### units of flow

l/min	→	Cfm	→	m <sup>3</sup> /h
600		21		36
1200		43		72
1800		64		108
2400		85		144
3000		106		180
3600		128		216
4200		149		252
4800		170		288
5400		191		324
6000		213		360
6600		234		396
7200		255		432
7800		277		468

### units of vacuum

depression (in mm Hg)	vacuum (in %)	absolute pressure (in mbar)	depression (in mbar)
0	0	1000	0
-75	10	900	-100
-100	13.3	867	-133
-150	20	800	-200
-200	26.7	733	-267
-225	30	700	-300
-300	40	600	-400
-375	50	500	-500
-400	53.3	467	-533
-450	60	400	-600
-500	66.7	333	-667
-525	70	300	-700
-600	80	200	-800
-675	90	100	-900
-690	92	80	-920

### units of temperature

°F	→	°C	°F	→	°C
-40		-40.0	+105		+40.6
-35		-37.2	+110		+43.3
-30		-34.4	+115		+46.1
-25		-31.7	+120		+48.9
-20		-28.9	+125		+51.7
-15		-26.1	+130		+54.4
-10		-23.3	+135		+57.2
-5		-20.6	+140		+60.0
0		-17.8	+145		+62.8
+5		-15.01	+150		+65.6
+10		-12.2	+155		+68.3
+15		-9.4	+160		+71.1
+20		-6.7	+165		+73.9
+25		-3.9	+170		+76.7
+30		-1.1	+175		+79.4
+32		0.0	+180		+82.2
+35		+1.7	+185		+85.0
+40		+4.4	+190		+87.8
+45		+7.2	+195		+90.6
+50		+10.0	+200		+93.3
+55		+12.8	+205		+96.1
+60		+15.6	+210		+98.9
+65		+18.3	+215		+101.7
+70		+21.1	+220		+104.4
+75		+23.9	+225		+107.2
+80		+26.7	+230		+110.0
+85		+29.4	+235		+112.8
+90		+32.2	+240		+115.6
+95		+35.0	+245		+118.3
+100		+37.8	+250		+121.1

°C	→	°F	°C	→	°F
-40		-40	+105		+221
-35		-31	+110		+230
-30		-22	+115		+239
-25		-13	+120		+248
-20		-4	+125		+257
-17,8		0	+130		+266
-15		+5	+135		+275
-10		+14	+140		+284
-5		+23	+145		+293
0		+32	+150		+302
+5		+41	+155		+311
+10		+50	+160		+320
+15		+59	+165		+329
+20		+68	+170		+338
+25		+77	+175		+347
+30		+86	+180		+356
+35		+95	+185		+365
+40		+104	+190		+374
+45		+113	+195		+383
+50		+122	+200		+392
+55		+131	+205		+401
+60		+140	+210		+410
+65		+149	+215		+419
+70		+158	+220		+428
+75		+167	+225		+437
+80		+176	+230		+446
+85		+185	+235		+455
+90		+194	+240		+464
+95		+203	+245		+473
+100		+212	+250		+482