

Compressed Air Conversion Factors

Volume

Cu ft/min	1	2.5	5	6	8	10	12	15	30	40
l/min	28.32	70.8	141.6	170	227	283	340	425	850	1133

Pressure

psi	10	20	30	40	50	60	70	80	90	100
bar	0.69	1.38	2.07	2.76	3.45	4.14	4.83	5.52	6.2	6.89
kPa	69	138	207	276	345	414	483	552	620	689

Multiply

By

To Obtain

bar	14.7	psi
psi	0.06895	bar
psi	6.895	kPa (kilopascal)
Kg/cm ²	14.23	psi
cu ft/min	28.32	l/min
kW	1.34	hp (horsepower)

Viscosity Conversion Table

Viscosity (CP)	Ford #4	Din #4	Iwata cup #NK2
10	5		9
15	8		10
20	10		12
25	12	14	13
30	14	15	14
40	18	17	17
50	22	19	19
60	26	21	22
70	28	23	25
80	31	25	27
90	32	28	30
100	34	30	33
120	41	33	38
140	45	37	45
160	50	43	52
180	54	46	58
200	58	49	66

Conversion Tables

RESOURCES

Filter Mesh Conversion		
US Mesh	Inches	Microns
10	0.0787	2000
12	0.0661	1680
14	0.0555	1410
16	0.0469	1190
18	0.0394	1000
20	0.0331	841
25	0.0280	707
30	0.0232	595
35	0.0197	500
40	0.0165	420
45	0.0138	354
50	0.0117	297
60	0.0098	250
70	0.0083	210
80	0.0070	177
100	0.0059	149
120	0.0049	125
140	0.0041	105
170	0.0035	88
200	0.0029	74
230	0.0024	63
270	0.0021	53
325	0.0017	44
400	0.0015	37
550	0.00099	25
625	0.00079	20
1250	0.000394	10
1750	0.000315	8
2500	0.000197	5
5000	0.000099	2.5
12000	0.0000394	1

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