

Equivalence Table for Pressure/Vacuum Measurements

micron	torr/mm Hg	mbar	psi	In Hg Absolute	In Hg Gauge	atmospheres	% vacuum
760,000	760	1013	14.696	29.92	0.0	1.0	0.0
750,000	750	1000 (1 bar)	14.5	29.5	0.42	0.987	1.3
735,600	735.6	981	14.2	28.9	1.02	0.968	1.9
700,000	700	934	13.5	27.6	2.32	0.921	7.9
600,000	600	800	11.6	23.6	6.32	0.789	21
500,000	500	667	9.7	19.7	10.22	0.658	34
400,000	400	533	7.7	15.7	14.22	0.526	47
380,000	380	507	7.3	15.0	14.92	0.500	50
300,000	300	400	5.8	11.8	18.12	0.395	61
200,000	200	267	3.9	7.85	22.07	0.264	74
100,000	100	133.3	1.93	3.94	25.98	0.132	87
90,000	90	120	1.74	3.54	26.38	0.118	88
80,000	80	106.8	1.55	3.15	26.77	0.105	89.5
70,000	70	93.4	1.35	2.76	27.16	0.0921	90.8
60,000	60	80	1.16	2.36	27.56	0.0789	92.1
51,700	51.7	68.8	1.00	2.03	27.89	0.068	93.0
50,000	50	66.7	0.97	1.97	27.95	0.0658	93.5
40,000	40	53.3	0.77	1.57	28.35	0.0526	94.8
30,000	30	40.0	0.58	1.18	28.74	0.0395	96.1
25,400	25.4	33.8	0.4912	1.00	28.92	0.034	96.6
20,000	20	26.7	0.39	0.785	29.14	0.0264	97.4
10,000	10	13.33	0.193	0.394	29.53	0.0132	98.7
7,600	7.6	10.13	0.147	0.299	29.62	0.01	99.0
1,000	1	1.33	0.01934	0.03937	29.88	0.00132	99.9
750	0.75	1.00	0.0145	0.0295	29.89	0.000987	99.9
100	0.1	0.133	0.00193	0.00394	29.916	0.000132	99.99
10	0.01	0.0133	0.000193	0.000394	29.9196	0.0000132	99.999
1	0.001	0.00133	0.0000193	0.0000394	29.91996	0.00000132	99.9..9
0.1	0.0001	0.000133	0.00000193	0.00000394	29.91999	0.000000132	..

1 bar = 14.5 psi

1 kg/cm² = 14.223 psi

1 inch = 25.4 mm

1 cubic foot = 7.4805 US gallons

1 cubic foot = 28.32 liters

1 cubic meter = 35.31 cubic feet

1 micron = 1 millionth of a meter (The symbol for micron is the Greek letter μ)

1 millimeter = 1000 μ

1 micron (1 μ) = 0.001 mm