

# Metric Pressure Conversion Table

ATMOS- PHERES					ATMOS- PHERES					ATMOS- PHERES					ATMOS- PHERES									
PSI	MPa	kgf/cm2	BARS	PHERES	PSI	MPa	kgf/cm2	BARS	PHERES	PSI	MPa	kgf/cm2	BARS	PHERES	PSI	MPa	kgf/cm2	BARS	PHERES	PSI	MPa	kgf/cm2	BARS	PHERES
25	17	1.76	1.72	1.70	2500	17.24	175.77	172.50	170.00	5200	35.85	365.60	358.80	353.60	7900	54.47	555.42	545.10	537.20					
50	.34	3.52	3.45	3.40	2600	17.93	182.80	179.40	176.80	5300	36.54	372.63	365.70	340.40	8000	55.16	562.46	552.00	544.00					
75	.52	5.27	5.18	5.10	2700	18.62	189.83	186.30	183.60	5400	37.23	379.66	372.60	367.20	8100	55.85	569.49	558.90	550.80					
100	.69	7.03	6.90	6.80	2800	19.30	196.86	193.20	190.40	5500	37.92	386.69	379.50	374.00	8200	56.54	576.52	565.80	557.60					
200	1.38	14.06	13.80	13.60	2900	19.99	203.89	200.10	197.20	5600	38.61	393.72	386.40	380.80	8300	57.23	583.55	572.70	564.40					
300	2.07	21.09	20.70	20.40	3000	20.68	210.92	207.00	204.00	5700	39.30	400.75	393.30	387.60	8400	57.92	590.58	579.60	571.20					
400	2.76	28.12	27.60	27.20	3100	21.37	217.95	213.90	210.80	5800	39.99	407.78	400.20	394.40	8500	58.61	597.61	586.50	578.00					
500	3.45	35.15	34.50	34.00	3200	22.06	224.98	220.80	217.60	5900	40.68	414.81	407.10	401.20	8600	59.30	604.64	593.40	584.80					
600	4.14	42.18	41.40	40.80	3300	22.75	232.01	227.70	224.40	6000	41.37	421.84	414.00	408.00	8700	59.98	611.67	600.30	591.60					
700	4.83	49.21	48.30	47.60	3400	23.44	239.04	234.60	231.20	6100	42.06	428.87	420.90	414.80	8800	60.67	618.70	607.20	598.40					
800	5.52	56.24	55.20	54.40	3500	24.13	246.07	241.50	238.00	6200	42.75	435.90	427.80	421.60	8900	61.36	625.73	614.10	605.20					
900	6.20	63.28	62.10	61.20	3600	24.82	253.10	248.40	244.80	6300	43.44	442.93	434.70	428.40	9000	62.05	632.76	621.00	612.00					
1000	6.90	70.31	69.00	68.00	3700	25.51	260.14	255.30	251.60	6400	44.13	449.96	441.60	435.20	9100	62.74	639.79	627.90	618.80					
1100	7.58	77.34	75.90	74.80	3800	26.20	267.17	262.20	258.40	6500	44.82	457.00	448.50	442.00	9200	63.43	646.82	634.80	625.60					
1200	8.27	84.37	82.80	81.60	3900	26.89	274.20	269.10	265.20	6600	45.51	464.03	455.40	448.80	9300	64.12	653.86	641.70	632.40					
1300	8.96	91.40	89.70	88.40	4000	27.58	281.23	276.00	272.00	6700	46.20	471.06	462.30	455.60	9400	64.81	660.89	648.60	639.20					
1400	9.65	98.43	96.60	95.20	4100	28.27	288.26	282.90	278.80	6800	46.88	478.09	469.20	462.40	9500	65.50	667.92	655.50	646.00					
1500	10.34	105.46	103.50	102.00	4200	28.96	295.29	289.80	285.60	6900	47.57	485.12	476.10	469.20	9600	66.18	674.95	662.30	652.80					
1600	11.03	112.49	110.40	108.80	4300	29.65	302.32	296.70	292.40	7000	48.26	492.15	483.00	476.00	9700	66.88	681.98	669.30	659.60					
1700	11.72	119.52	117.30	115.60	4400	30.34	309.35	303.60	299.20	7100	48.95	499.18	489.90	482.80	9800	67.57	689.01	676.20	666.40					
1800	12.41	126.55	124.20	122.40	4500	31.03	316.38	310.50	306.00	7200	49.64	506.21	496.80	489.60	9900	68.26	696.04	683.10	673.20					
1900	13.10	133.58	131.10	129.20	4600	31.72	323.41	317.40	312.80	7300	50.33	513.24	503.70	496.40	10000	68.95	703.07	690.00	680.00					
2000	13.79	140.61	138.00	136.00	4700	32.41	330.44	324.30	319.60	7400	51.02	520.27	510.60	503.20	11000	75.84	773.38	759.00	748.00					
2100	14.48	147.64	144.90	142.80	4800	33.10	337.47	331.20	326.40	7500	51.71	527.30	517.50	510.00	12000	82.74	843.68	828.00	816.00					
2200	15.17	154.68	151.80	149.60	4900	33.78	344.50	338.10	333.20	7600	52.40	534.33	524.40	516.80	13000	89.63	913.99	897.00	884.00					
2300	15.86	161.71	158.70	156.40	5000	34.47	351.54	345.00	340.00	7700	53.09	541.36	531.30	523.60	14000	96.53	984.30	966.00	952.00					
2400	16.55	168.74	165.60	163.20	5100	35.16	358.57	351.90	346.80	7800	53.78	548.39	538.20	530.40	15000	103.42	1054.60	1035.00	1020.00					

PSI X .0068948 = megapascals (MPa) = meganewton/meter2  
 PSI X .070307 = kilogram-force per square centimeter  
 PSI X .0690 = Bars  
 PSI X .0680 = Atmospheres

1MPa = 10 Bars  
 1Bar = 14.5 PSI  
 1 kgf/cm<sup>2</sup> = 14.22 PSI  
 1 PSI = .00689 MPa

# Vacuum Conversion Table

water

ATM	PSI	meter	feet	mm	mercury inches	%
0.1	1.4	1	3' 3-3/8"	73.6	2.9	10
0.2	2.8	2	6' 6-3/4"	147.1	5.8	20
0.3	4.2	3	9' 10-1/8"	220.7	8.7	30
0.4	5.7	4	13' 1-1/2"	294.2	11.6	40
0.5	7.1	5	16' 4-13/16"	367.8	14.5	50
0.6	8.5	6	19' 8-3/16"	441.3	17.4	60
0.7	10.0	7	22' 11-9/16"	514.9	20.3	70
0.8	11.4	8	26' 2-15/16"	588.4	23.2	80
0.9	12.8	9	29' 6-3/8"	662.0	26.0	90
1.0	14.2	10	32' 9-11/16"	735.5	29.0	100

# Pressure Conversion

Feet of water to inches of mercury

Feet of Water	In. hg.	Feet of Water	In. hg.
1	0.9	18	15.9
2	1.8	20	17.7
4	3.5	22	19.4
6	5.3	24	21.2
8	7.1	26	23.0
10	8.8	28	24.8
12	10.6	30	26.5
14	12.4	32	28.3
16	14.1	34	30.0