

SA GAUGE PRESSURE CONVERSION CHART

kPa/ MPa	psi	bar	kg/cm ²	in. H ₂ O	mm/mH ₂ O	mm/hg (torr)	cm/hg	in/hg	Mbar
2.5 kPa	0.363	0.025	0.025	10.047	255 mm	18.764	1.876	0.739	25
4 kPa	0.580	0.04	0.041	16.075	408 mm	30.022	3.002	1.182	40
6 kPa	0.870	0.06	0.061	24.113	612 mm	45.033	4.503	1.773	60
8 kPa	1.160	0.08	0.082	32.151	816 mm	60.044	6.004	2.364	80
10 kPa	1.450	0.1	0.102	40.189	1.020 m	75.054	7.505	2.955	100
12 kPa	1.740	0.12	0.122	48.226	1.224 m	90.065	9.007	3.546	120
16 kPa	2.321	0.16	0.163	64.302	1.632 m	120.087	12.009	4.728	160
20 kPa	2.901	0.2	0.204	80.377	2.039 m	150.109	15.011	5.910	200
25 kPa	3.626	0.25	0.255	100.471	2.549 m	187.636	18.764	7.387	250
30 kPa	4.351	0.3	0.306	120.566	3.059 m	225.163	22.516	8.865	300
40 kPa	5.801	0.4	0.408	160.754	4.079 m	300.218	30.022	11.820	400
50 kPa	7.252	0.5	0.510	200.943	5.099 m	375.272	37.527	14.774	500
60 kPa	8.702	0.6	0.612	241.131	6.118 m	450.326	45.033	17.729	600
80 kPa	11.603	0.8	0.816	321.508	8.158 m	600.435	60.044	23.639	800
100 kPa	14.503	1	1.020	401.885	10.197 m	750.544	75.054	29.549	1000
120 kPa	17.404	1.2	1.223	482.263	12.237 m	900.653	90.065	35.459	1200
160 kPa	23.205	1.6	1.631	643.017	16.316 m	1200.870	120.087	47.278	1600
200 kPa	29.007	2	2.039	803.771	20.394 m	1501.088	150.109	59.098	2000
250 kPa	36.258	2.5	2.549	1004.714	25.493 m	1876.360	187.636	73.872	2500
300 kPa	43.510	3	3.059	1205.656	30.592 m	2251.632	225.163	88.647	3000
400 kPa	58.013	4	4.078	1607.542	40.789 m	3002.175	300.218	118.196	4000
500 kPa	72.516	5	5.098	2009.427	50.986 m	3752.719	375.272	147.745	5000
600 kPa	87.020	6	6.117	2411.313	61.183 m	4503.263	450.326	177.294	6000
800 kPa	116.026	8	8.157	3215.083	81.578 m	6004.351	600.435	236.329	8000
1000 kPa	145.033	10	10.196	4018.854	101.972 m	7505.439	750.544	295.490	10 000
1200 kPa	174.039	12	12.235	4822.625	122.367 m	9066.526	900.653	356.950	12 000
1600 kPa	232.052	16	16.313	6430.167	163.156 m	12 008.701	1200.870	472.784	16 000
2500 kPa	362.582	25	25.489	10 047.136	254.931 m	18 763.597	1876.360	738.724	25 000
4000 kPa	580.131	40	40.783	16 075.417	407.890 m	30 021.755	3002.175	1181.959	40 000
6000 kPa	870.196	60	61.175	24 113.125	611.835 m	45 032.632	4503.263	1772.938	60 000
8000 kPa	1160.261	80	81.566	32 150.834	815.780 m	60 043.510	6004.351	2363.918	80 000
10 MPa	1450.326	100	101.958						
12 MPa	1740.392	120	122.350						
16 MPa	2320.522	160	163.133						
20 MPa	2900.653	200	203.916						
25 MPa	3625.816	250	254.895						
30 MPa	4350.979	300	305.874						
40 MPa	5801.305	400	407.832						
60 MPa	8701.958	600	611.748						
80 MPa	11 602.611	800	815.664						
100 MPa	14 503.263	1000	1019.579						
160 MPa	23 205.221	1600	1631.327						
250 MPa	36 259.430	2500	2549.291						

psi	kPa/MPa
2.5	17.237 kPa
4	27.580 kPa
6	41.370 kPa
8	55.160 kPa
10	68.950 kPa
12	82.740 kPa
16	110.320 kPa
20	137.900 kPa
25	172.375 kPa
30	206.850 kPa
40	275.800 kPa
50	344.750 kPa
60	413.700 kPa
80	551.600 kPa
100	689.500 kPa
120	827.400 kPa
140	965.300 kPa
160	1103.200 kPa
200	1379.000 kPa
250	1723.750 kPa
300	2068.500 kPa
400	2758.000 kPa
500	3447.500 kPa
600	4137.000 kPa
800	5516.000 kPa
1000	6895.000 kPa
1200	8274.000 kPa
1600	11.032 MPa
2500	17.238 MPa
3000	20.685 MPa
3500	24.133 MPa
4000	27.580 MPa
5000	34.475 MPa
6000	41.370 MPa
7000	48.265 MPa
8000	55.160 MPa
10 000	68.950 MPa
16 000	110.320 MPa
25 000	172.375 MPa
35 000	241.316 MPa

kg/cm ²	kPa/MPa
2.5	245.199 kPa
4	392.319 kPa
6	588.478 kPa
8	784.637 kPa
10	980.979 kPa
12	1176.956 kPa
16	1569.275 kPa
20	1961.593 kPa
25	2451.991 kPa
30	2942.390 kPa
40	3923.186 kPa
50	4903.983 kPa
60	5884.780 kPa
80	7.846 MPa
100	9.808 MPa
120	11.770 MPa
140	13.731 MPa
160	15.693 MPa
200	19.616 MPa
250	24.520 MPa
300	29.424 MPa
400	39.232 MPa
500	49.040 MPa
600	58.848 MPa
800	78.464 MPa
1000	98.080 MPa
1200	117.696 MPa
1600	156.927 MPa
2500	245.166 MPa
1 PA	1 N / m ²
1 kPa	1 kN / m ²
1 MPa	1 MN / m ²

SA GAUGE PRESSURE CONVERSION CHART



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psi	atm	ft.Hd H ₂ O at 20°C	in. H ₂ O	Kg/cm ²	Meters H ₂ O	in.Hg at 20°C	Mm.Hg (torr)	cm.Hg	bar	millibar	kPa
1	0.0680	2.310	27.720	0.0700	0.704	2.043	51.884	5.188	0.0690	68.947	6.895
14.696	1	33.659	407.513	1.0330	10.351	30.019	762.480	76.248	1.0130	1013.0	101.325
0.433	0.0290	1	12.000	0.0300	0.305	0.884	22.452	2.245	0.0300	29.837	2.984
0.036	0.0025	0.833	1	0.0025	0.025	0.074	1.871	0.187	0.0025	2.486	0.249
14.233	0.9680	32.867	394.408	1	10.018	29.054	737.959	73.796	0.9810	980.662	98.066
1.422	0.0970	3.287	39.370	0.0990	1	2.905	73.796	7.379	0.0980	98.066	9.807
0.489	0.0330	1.131	13.575	0.0340	0.345	1	25.400	2.540	0.0340	33.753	3.375
0.019	0.0013	0.045	0.534	0.0014	0.0136	0.039	1	0.100	0.0010	1.329	0.133
0.193	0.0131	0.445	5.340	0.0140	0.1360	0.393	10.000	1	0.0133	13.290	1.328
14.503	0.9870	33.514	402.164	1.0200	10.2110	29.625	752.470	75.247	1	1000.0	100.00
0.014	0.0009	0.033	0.402	0.0010	0.0102	0.029	0.752	0.075	0.001	1	0.100
0.145	0.0098	0.335	4.021	0.0100	0.1020	0.296	7.525	0.752	0.010	10.000	1