

Pressure Conversions

	PSI	KPA	inches H ₂ O (20° C)	cm H ₂ O (20° C)	inches Hg (0° C)	mm Hg (0° C)	Bars	mBars	kg/cm ²
PSI	1	6.8948	27.7296	70.4332	2.0360	51.7149	.0689	68.9476	.0703
KPA	0.1450	1	4.0218	10.2155	0.2953	7.5006	.0100	10.0000	0.0102
inches H ₂ O (20° C)	0.0361	0.2486	1	2.5400	0.0734	1.8650	0.0025	2.4864	0.0025
cm H ₂ O (20° C)	0.0142	0.0979	0.3937	1	0.0289	0.7342	0.0010	0.9790	0.0001
inches Hg (0° C)	0.4912	3.3864	13.6195	34.5936	1	25.4000	0.0339	33.8639	0.0345
mm Hg (0° C)	0.0193	0.1333	0.5362	1.3620	0.0394	1	.0013	1.3332	.0014
Bars	14.5038	100.000	402.184	1021.55	29.5300	750.062	1	1000	1.0197
mBars	0.0145	.1000	0.4022	1.0216	0.0295	0.7501	.001	1	.0010
kg/cm ²	14.2233	98.0665	394.408	1001.80	28.9590	735.559	.9807	980.665	1

EXAMPLES

$$\begin{aligned}
 1\text{mm Hg} &= 0.5362 \text{ inches H}_2\text{O} = 1.3332 \text{ mBars} \\
 97\text{mm Hg} &= 97 \times 0.5362 = 52.0114 \text{ inches H}_2\text{O} \\
 97\text{mm Hg} &= 97 \times 1.3332 = 129.3204 \text{ mBars}
 \end{aligned}$$

