

Pressure Conversion Table

	Inches H ₂ O	PSI	Inches Hg	mm Hg	kPa	Bar	m Bar	Torr	gm/cm ²	Kg/cm ²	cm H ₂ O	mm H ₂ O
Inches H ₂ O	1	0.03613	0.07355	1.8650	0.2483	0.0025	2.4864	1.8650	2.5355	0.0025	2.5421	25.4210
PSI	27.7620	1	2.0360	51.7149	6.8948	0.0689	68.9470	51.7149	70.3070	0.0703	70.5150	705.1500
Inches Hg	13.6195	0.4912	1	25.4000	3.3867	0.0339	33.8639	25.4000	34.532	0.0345	34.5936	345.936
mm Hg	0.5362	0.0193	0.0394	1	0.1331	0.0013	1.3332	1	1.3595	0.0014	1.3620	13.6195
kPa	4.0266	0.1450	0.2953	7.5006	1	0.0100	10.0000	7.5006	10.197	0.0102	10.2274	102.2742
Bar	402.180	14.5040	29.5300	750.060	100.0000	1	1000	750.060	1019.720	1.0197	1021.50	10215.00
m Bar	0.4022	0.0145	0.0295	0.7501	0.1000	0.001	1	0.7501	1.0197	0.0010	1.0215	10.2150
Torr	0.5362	0.0193	0.0394	1	0.1331	0.0013	1.3332	1	1.3595	0.0014	1.3620	13.6195
gm/cm ²	0.3944	0.0142	0.0290	0.7356	0.0979	0.0009	0.9807	0.7356	1	0.001	7.356	0.7356
Kg/cm ²	394.408	14.2233	28.9590	735.559	97.9047	0.9000	980.7000	735.559	1000	1	1001.80	10018.0
cm H ₂ O	0.394	0.014	0.028	0.734	0.098	0.001	0.979	0.734	0.982	0.0001	1	0.1
mm H ₂ O	0.0394	0.0014	0.0028	0.0734	0.0098	0.0001	0.0979	0.0734	0.0982	0.00001	10	1

Conversion Examples: 1 Inch H₂O = 0.03613 PSI 1 kPa = 4.0266 Inches H₂O
 1 Inch H₂O = 0.0025 Bar 1 kPa = 0.1450 PSI

Saturated Steam Table

	PSIG	Temp ° F	PSIG	Temp ° F	PSIG	Temp ° F	PSIG	Temp ° F	PSIG	Temp ° F	PSIG	Temp ° F
IN VAC	25	134	40	286	130	356	240	403	350	435	700	505
	20	162	50	298	140	361	250	406	360	438	750	513
	15	179	60	307	150	366	260	409	370	441	800	520
	10	192	70	316	160	371	270	413	380	443	900	534
	0	212	75	320	170	375	280	416	390	446	1000	546
	5	227	80	324	180	380	290	418	400	448	1250	574
	10	239	90	331	190	384	300	421	450	460	1500	597
	15	250	100	338	200	388	310	425	500	470	1750	618
	20	259	110	344	210	392	320	427	550	479	2000	636
	25	267	120	350	220	396	330	430	600	489	2250	654
	30	274	125	353	230	399	340	433	650	497	2500	669

Equivalents

Flow Rate	Volume	Weights
1 GPM = 0.06309 lit/sec	1 gal = 3785 cm ³	1 kg = 2.2046 lb
1 GPM = 0.00223 ft ³ /sec	1 gal = 3.785 liter	1 lb = 0.4536 kg
1 GPM = 0.1337 ft ³ /min	1 gal = 0.00379 m ³	1 gr = 0.03527 oz
1 GPM = 0.00379 m ³ /min	1 gal = 128 fl oz	Velocity
1 GPM = 0.2271 m ³ /hr	1 gal = 231.0 in ³	1 cm/sec = 0.03281 ft/sec
1 lb/min = 453.6 gm/min	1 ft ³ = 7.481 gal	1 ft/sec = 0.3048 m/sec
1 lb/hr = 0.4536 Kg/hr	1 cm ³ = 1 ml = 0.001 liter	1 m/sec = 3.2808 ft/sec

Temperature Conversions

Temp °F = (°C x 9/5) + 32
 Temp °C = (°F - 32) x 5/9
 Temp °R = °F + 459.69
 Temp °K = °C + 273.16