

Saturation Vapor Pressure of Water as a Function of Temperature

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Temp (deg C)	Temp (deg F)	Pressure (mm Hg)	T (deg C)	T (deg F)	P (mm Hg)	T (deg C)	T (deg F)	P (mm Hg)
-10	14.0	2.1	11	51.8	9.8	32	89.6	35.7
-9	15.8	2.3	12	53.6	10.5	33	91.4	37.7
-8	17.6	2.5	13	55.4	11.2	34	93.2	39.9
-7	19.4	2.7	14	57.2	12.0	35	95.0	42.2
-6	21.2	2.9	15	59.0	12.8	36	96.8	44.6
-5	23.0	3.2	16	60.8	13.6	37	98.6	47.1
-4	24.8	3.4	17	62.6	14.5	38	100.4	49.7
-3	26.6	3.7	18	64.4	15.5	39	102.2	52.4
-2	28.4	4.0	19	66.2	16.5	40	104.0	55.3
-1	30.2	4.3	20	68.0	17.5	41	105.8	58.3
0	32.0	4.6	21	69.8	18.7	42	107.6	61.5
1	33.8	4.9	22	71.6	19.8	43	109.4	64.8
2	35.6	5.3	23	73.4	21.1	44	111.2	68.3
3	37.4	5.7	24	75.2	22.4	45	113.0	71.9
4	39.2	6.1	25	77.0	23.8	46	114.8	75.7
5	41.0	6.5	26	78.8	25.2	47	116.6	79.6
6	42.8	7.0	27	80.6	26.7	48	118.4	83.7
7	44.6	7.5	28	82.4	28.3	49	120.2	88.0
8	46.4	8.0	29	84.2	30.0	50	122.0	92.5
9	48.2	8.6	30	86.0	31.8	51	123.8	97.2
10	50.0	9.2	31	87.8	33.7	52	125.6	102.1

Saturation vapor pressure: The maximum partial pressure that water vapor molecules would exert if the air were saturated with vapor at a given temperature.

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T (deg C)	T (deg F)	P (mm Hg)	T (deg C)	T (deg F)	P (mm Hg)	T (deg C)	T (deg F)	P (mm Hg)
53	127.4	107.2	74	165.2	277.2	95	203.0	633.9
54	129.2	112.5	75	167.0	289.1	96	204.8	657.6
55	131.0	118.0	76	168.8	301.4	97	206.6	682.1
56	132.8	123.8	77	170.6	314.1	98	208.4	707.3
57	134.6	129.8	78	172.4	327.3	99	210.2	733.2
58	136.4	136.1	79	174.2	341.0	100	212.0	760.0
59	138.2	142.6	80	176.0	355.1			
60	140.0	149.4	81	177.8	369.7	102	215.6	815.9
61	141.8	156.4	82	179.6	384.9			
62	143.6	163.8	83	181.4	400.6	104	219.2	875.1
63	145.4	171.4	84	183.2	416.8			
64	147.2	179.3	85	185.0	433.6	106	222.8	937.9
65	149.0	187.5	86	186.8	450.9			
66	150.8	196.1	87	188.6	468.7	108	226.4	1004.0
67	152.6	205.0	88	190.4	487.1			
68	154.4	214.2	89	192.2	506.1	110	230.0	1075.0
69	156.2	223.7	90	194.0	525.8			
70	158.0	233.7	91	195.8	546.1	112	233.6	1149.0
71	159.8	243.9	92	197.6	567.0			
72	161.6	254.6	93	199.4	588.6	114	237.2	1227.0
73	163.4	265.7	94	201.2	610.9			

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