

PROPERTIES OF WATER

Boiling Point of Water at Various Elevations

Elevation Above Sea Level		Boiling Point of Water		Elevation Above Sea Level		Boiling Point of Water	
feet	meters	°F	°C	feet	meters	°F	°C
-1,000	-305	213.9	101.1	14,750	4,496	184.8	84.9
-750	-229	213.5	100.8	15,000	4,572	184.4	84.7
-500	-152	213.0	100.5	15,250	4,648	184.0	84.4
-250	-76	212.5	100.3	15,500	4,724	183.5	84.2
0	0	212.0	100.0	15,750	4,801	183.1	83.9
250	76	211.5	99.7	16,000	4,877	182.7	83.7
500	152	211.0	99.5	16,250	4,953	182.2	83.5
750	229	210.5	99.2	16,500	5,029	181.8	83.2
1,000	305	210.1	98.9	16,750	5,105	181.4	83.0
1,250	381	209.6	98.6	17,000	5,182	180.9	82.7
1,500	457	209.1	98.4	17,250	5,258	180.5	82.5
1,750	533	208.6	98.1	17,500	5,334	180.1	82.3
2,000	610	208.1	97.8	17,750	5,410	179.7	82.0
2,250	686	207.6	97.6	18,000	5,486	179.2	81.8
2,500	762	207.2	97.3	18,250	5,563	178.8	81.6
2,750	838	206.7	97.1	18,500	5,639	178.4	81.3
3,000	914	206.2	96.8	18,750	5,715	178.0	81.1
3,250	991	205.7	96.5	19,000	5,791	177.6	80.9
3,500	1,067	205.3	96.3	19,250	5,867	177.1	80.6
3,750	1,143	204.8	96.0	19,500	5,944	176.7	80.4
4,000	1,219	204.3	95.7	19,750	6,020	176.3	80.2
4,250	1,295	203.8	95.5	20,000	6,096	175.9	79.9
4,500	1,372	203.4	95.2	20,250	6,172	175.5	79.7
4,750	1,448	202.9	94.9	20,500	6,248	175.1	79.5
5,000	1,524	202.4	94.7	20,750	6,325	174.7	79.3
5,250	1,600	202.0	94.4	21,000	6,401	174.2	79.0
5,500	1,676	201.5	94.2	21,250	6,477	173.8	78.8
5,750	1,753	201.0	93.9	21,500	6,553	173.4	78.6
6,000	1,829	200.6	93.6	21,750	6,629	173.0	78.3
6,250	1,905	200.1	93.4	22,000	6,706	172.6	78.1
6,500	1,981	199.6	93.1	22,250	6,782	172.2	77.9
6,750	2,057	199.2	92.9	22,500	6,858	171.8	77.7
7,000	2,134	198.7	92.6	22,750	6,934	171.4	77.4

Elevation Above Sea Level		Boiling Point of Water		Elevation Above Sea Level		Boiling Point of Water	
feet	meters	°F	°C	feet	meters	°F	°C
7,250	2,210	198.2	92.4	23,000	7,010	171.0	77.2
7,500	2,286	197.8	92.1	23,250	7,087	170.6	77.0
7,750	2,362	197.3	91.8	23,500	7,163	170.2	76.8
8,000	2,438	196.9	91.6	23,750	7,239	169.8	76.5
8,250	2,515	196.4	91.3	24,000	7,315	169.4	76.3
8,500	2,591	196.0	91.1	24,250	7,391	169.0	76.1
8,750	2,667	195.5	90.8	24,500	7,468	168.6	75.9
9,000	2,743	195.0	90.6	24,750	7,544	168.2	75.6
9,250	2,819	194.6	90.3	25,000	7,620	167.8	75.4
9,500	2,896	194.1	90.1	25,250	7,696	167.4	75.2
9,750	2,972	193.7	89.8	25,500	7,772	167.0	75.0
10,000	3,048	193.2	89.6	25,750	7,849	166.6	74.8
10,250	3,124	192.8	89.3	26,000	7,925	166.2	74.5
10,500	3,200	192.3	89.1	26,250	8,001	165.8	74.3
10,750	3,277	191.9	88.8	26,500	8,077	165.4	74.1
11,000	3,353	191.4	88.6	26,750	8,153	165.0	73.9
11,250	3,429	191.0	88.3	27,000	8,230	164.6	73.7
11,500	3,505	190.5	88.1	27,250	8,306	164.2	73.5
11,750	3,581	190.1	87.8	27,500	8,382	163.8	73.2
12,000	3,658	189.7	87.6	27,750	8,458	163.4	73.0
12,250	3,734	189.2	87.3	28,000	8,534	163.1	72.8
12,500	3,810	188.8	87.1	28,250	8,611	162.7	72.6
12,750	3,886	188.3	86.8	28,500	8,687	162.3	72.4
13,000	3,962	187.9	86.6	28,750	8,763	161.9	72.2
13,250	4,039	187.4	86.4	29,000	8,839	161.5	72.0
13,500	4,115	187.0	86.1	29,250	8,915	161.1	71.7
13,750	4,191	186.6	85.9	29,500	8,992	160.7	71.5
14,000	4,267	186.1	85.6	29,750	9,068	160.4	71.3
14,250	4,343	185.7	85.4	30,000	9,144	160.0	71.1
14,500	4,420	185.3	85.1	---	---	---	---

Values given in the table are approximate since the boiling point of water varies with the atmospheric pressure. The values in the table were computed from data given in *Piping Handbook*, Reno C. King and Sabin Crocker, 5th Edition, McGraw-Hill Book Co., New York, 1967.