

温度圧力換算表

温度 ℃	最高使用圧力								温度 ℃	最高使用圧力							
	150 k	14.7 M	170 k	17 M	200 k	19.6 M	300 k	29.4 M		150 k	14.7 M	170 k	16.7 M	200 k	19.6 M	300 k	29.4 M
-10	128.1	12.56	145.2	14.24	170.8	16.75	256.2	25.12	18	141.7	13.90	160.6	15.75	189.0	18.53	283.4	27.80
-9	128.6	12.61	145.7	14.29	171.4	16.81	257.1	25.22	19	142.2	13.95	161.2	15.81	189.6	18.59	284.4	27.89
-8	129.1	12.66	146.3	14.34	172.1	16.88	258.1	25.31	20	142.7	13.99	161.7	15.86	190.3	18.66	285.4	27.99
-7	129.5	12.70	146.8	14.40	172.7	16.94	259.1	25.41	21	143.2	14.04	162.3	15.91	190.9	18.72	286.4	28.08
-6	130.0	12.75	147.4	14.45	173.4	17.00	260.1	25.50	22	143.7	14.09	162.8	15.97	191.6	18.79	287.3	28.18
-5	130.5	12.80	147.9	14.51	174.0	17.07	261.0	25.60	23	144.2	14.14	163.4	16.02	192.2	18.85	288.3	28.27
-4	131.0	12.85	148.5	14.56	174.7	17.13	262.0	25.69	24	144.6	14.18	163.9	16.08	192.9	18.91	289.3	28.37
-3	131.5	12.90	149.0	14.61	175.3	17.19	263.0	25.79	25	145.1	14.23	164.5	16.13	193.5	18.98	290.3	28.46
-2	132.0	12.94	149.6	14.67	176.0	17.26	264.0	25.89	26	145.6	14.28	165.0	16.18	194.2	19.04	291.2	28.56
-1	132.5	12.99	150.1	14.72	176.6	17.32	264.9	25.98	27	146.1	14.33	165.6	16.24	194.8	19.10	292.2	28.66
0	133.0	13.04	150.7	14.78	177.3	17.38	265.9	26.08	28	146.6	14.38	166.1	16.29	195.5	19.17	293.2	28.75
1	133.4	13.09	151.2	14.83	177.9	17.45	266.9	26.17	29	147.1	14.42	166.7	16.35	196.1	19.23	294.2	28.85
2	133.9	13.13	151.8	14.89	178.6	17.51	267.9	26.27	30	147.6	14.47	167.2	16.40	196.8	19.29	295.1	28.94
3	134.4	13.18	152.3	14.94	179.2	17.58	268.8	26.36	31	148.1	14.52	167.8	16.45	197.4	19.36	296.1	29.04
4	134.9	13.23	152.9	14.99	179.9	17.64	269.8	26.46	32	148.5	14.57	168.3	16.51	198.1	19.42	297.1	29.13
5	135.4	13.28	153.4	15.05	180.5	17.70	270.8	26.55	33	149.0	14.61	168.9	16.56	198.7	19.49	298.1	29.23
6	135.9	13.32	154.0	15.10	181.2	17.77	271.8	26.65	34	149.5	14.66	169.4	16.62	199.4	19.55	299.0	29.32
7	136.4	13.37	154.5	15.16	181.8	17.83	272.7	26.75	35	150.0	14.71	170.0	16.67	200.0	19.61	300.0	29.42
8	136.9	13.42	155.1	15.21	182.5	17.89	273.7	26.84	36	150.5	14.76	170.6	16.73	200.6	19.68	301.0	29.52
9	137.3	13.47	155.6	15.26	183.1	17.96	274.7	26.94	37	151.0	14.81	171.1	16.78	201.3	19.74	301.9	29.61
10	137.8	13.52	156.2	15.32	183.8	18.02	275.6	27.03	38	151.5	14.85	171.7	16.83	201.9	19.80	302.9	29.71
11	138.3	13.56	156.8	15.37	184.4	18.08	276.6	27.13	39	151.9	14.90	172.2	16.89	202.6	19.87	303.9	29.80
12	138.8	13.61	157.3	15.43	185.1	18.15	277.6	27.22	40	152.4	14.95	172.8	16.94	203.2	19.93	304.9	29.90
13	139.3	13.66	157.9	15.48	185.7	18.21	278.6	27.32	41	152.9	15.00	173.3	17.00	203.9	20.00	305.8	29.99
14	139.8	13.71	158.4	15.53	186.4	18.28	279.5	27.41	42	153.4	15.04	173.9	17.05	204.5	20.06	306.8	30.09
15	140.3	13.75	159.0	15.59	187.0	18.34	280.5	27.51	43	153.9	15.09	174.4	17.10	205.2	20.12	307.8	30.18
16	140.7	13.80	159.5	15.64	187.7	18.40	281.5	27.61	44	154.4	15.14	175.0	17.16	205.8	20.19	308.8	30.28
17	141.2	13.85	160.1	15.70	188.3	18.47	282.5	27.70	45	154.9	15.19	175.5	17.21	206.5	20.25	309.7	30.38

* MPa圧力表示換算式 : (例) $150\text{Kg}/\text{cm}^2 \times 0.0980665 = 14.7\text{MPa}$ (小数点第2位四捨五入)

* Kg/cm^2 圧力表示換算式 : (例) $14.7\text{MPa} \div 0.0980665 = 150\text{Kg}/\text{cm}^2$ (小数点第1位四捨五入)

* 温度による圧力変化表示換算式 : (例) $150\text{Kg}/\text{cm}^2(35^\circ\text{C})$ で充填→保管時(20°C)の時の圧力は？

$$150\text{Kg}/\text{cm}^2 \times (273+20)^\circ\text{C} \div (273+35)^\circ\text{C} = 142.695\text{Kg}/\text{cm}^2$$