

Maximum Water Vapour Concentration

in grams per m³ at 1000 mbar

Temp	Relative Humidity										
	100%	95%	90%	85%	80%	75%	70%	65%	60%	55%	50%
0	4.8	4.6	4.4	4.1	3.9	3.6	3.4	3.2	2.9	2.7	2.4
1	5.2	4.9	4.7	4.4	4.2	3.9	3.6	3.4	3.1	2.9	2.6
2	5.6	5.3	5.0	4.7	4.4	4.2	3.9	3.6	3.3	3.1	2.8
3	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0
4	6.4	6.0	5.7	5.4	5.1	4.8	4.5	4.1	3.8	3.5	3.2
5	6.8	6.5	6.1	5.8	5.4	5.1	4.8	4.4	4.1	3.7	3.4
6	7.3	6.9	6.5	6.2	5.8	5.5	5.1	4.7	4.4	4.0	3.6
7	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.7	4.3	3.9
8	8.3	7.9	7.5	7.0	6.6	6.2	5.8	5.4	5.0	4.6	4.1
9	8.8	8.4	7.9	7.5	7.1	6.6	6.2	5.7	5.3	4.9	4.4
10	9.4	8.9	8.5	8.0	7.5	7.1	6.6	6.1	5.6	5.2	4.7
11	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5	6.0	5.5	5.0
12	10.7	10.1	9.6	9.1	8.5	8.0	7.5	6.9	6.4	5.9	5.3
13	11.4	10.8	10.2	9.7	9.1	8.5	8.0	7.4	6.8	6.3	5.7
14	12.1	11.5	10.9	10.3	9.7	9.1	8.5	7.9	7.3	6.7	6.0
15	12.9	12.2	11.6	10.9	10.3	9.6	9.0	8.4	7.7	7.1	6.4
16	13.7	13.0	12.3	11.6	10.9	10.2	9.6	8.9	8.2	7.5	6.8
17	14.5	13.8	13.1	12.3	11.6	10.9	10.2	9.4	8.7	8.0	7.3
18	15.4	14.6	13.9	13.1	12.3	11.6	10.8	10.0	9.2	8.5	7.7
19	16.3	15.5	14.7	13.9	13.1	12.3	11.4	10.7	9.8	9.0	8.2
20	17.3	16.4	15.6	14.7	13.9	13.0	12.1	11.3	10.4	9.5	8.7
21	18.4	17.5	16.5	15.6	14.7	13.8	12.9	11.9	11.0	10.1	9.2
22	19.5	18.5	17.5	16.5	15.6	14.6	13.6	12.7	11.7	10.7	9.7
23	20.6	19.6	18.6	17.5	16.5	15.5	14.4	13.4	12.4	11.3	10.3
24	21.8	20.7	19.6	18.6	17.5	16.4	15.3	14.2	13.1	12.0	10.9
25	23.1	21.9	20.8	19.6	18.5	17.3	16.2	15.0	13.9	12.7	11.5
26	24.4	23.2	22.0	20.8	19.5	18.3	17.1	15.9	14.7	13.4	12.2
27	25.8	24.5	23.2	21.9	20.7	19.4	18.1	16.8	15.5	14.2	12.9
28	27.3	25.9	24.6	23.2	21.8	20.5	19.1	17.7	16.4	15.0	13.6
29	28.8	27.4	25.9	24.5	23.1	21.6	20.2	18.7	17.3	15.9	14.4
30	30.4	28.9	27.4	25.9	24.3	22.8	21.3	19.8	18.3	16.7	15.2
31	32.1	30.5	28.9	27.3	25.7	24.1	22.5	20.9	19.3	17.7	16.1
32	33.9	32.2	30.5	28.8	27.1	25.4	23.7	22.0	20.3	18.6	16.9
33	35.7	33.9	32.2	30.4	28.6	26.8	25.0	23.2	21.4	19.6	17.9
34	37.7	38.8	33.9	32.0	30.1	28.2	26.4	24.5	22.6	20.7	18.8
35	39.7	37.7	35.7	33.7	31.7	29.8	27.8	25.8	23.8	21.8	19.8
36	41.8	39.7	37.6	35.5	33.4	31.3	29.3	27.2	25.1	23.0	20.9
37	44.0	41.8	39.6	37.4	35.2	33.0	30.8	28.8	26.4	24.2	22.0
38	46.3	44.0	41.7	39.4	37.0	34.7	32.4	30.1	27.8	25.5	23.2
39	48.7	46.3	43.8	41.4	39.0	36.5	34.1	31.7	29.2	26.8	24.4
40	51.2	48.7	46.1	43.5	41.0	38.4	35.9	33.3	30.7	28.2	25.6