

Evaporation Potential Chart

See reverse for expanded view

Surface Temperature	GPP	6	10	16	24	36	44	53	64	77	92	110	118	127	136	145	156	166	178	190	203	217
	DP	0	10	20	30	40	45	50	55	60	65	70	72	74	76	78	80	82	84	86	88	90
32	0.5	0.4	0.2	0.0	-0.2	-0.4	-0.6	-0.9	-1.2	-1.5	-1.9	-2.1	-2.3	-2.5	-2.7	-2.9	-3.1	-3.4	-3.6	-3.9	-4.2	
40	0.7	0.6	0.5	0.3	0.0	-0.2	-0.4	-0.6	-0.9	-1.3	-1.7	-1.8	-2.0	-2.2	-2.4	-2.7	-2.9	-3.1	-3.4	-3.7	-4.0	
45	0.9	0.8	0.6	0.5	0.2	0.0	-0.2	-0.5	-0.7	-1.1	-1.5	-1.7	-1.8	-2.0	-2.3	-2.5	-2.7	-3.0	-3.2	-3.5	-3.8	
50	1.1	1.0	0.9	0.7	0.4	0.2	0.0	-0.2	-0.5	-0.9	-1.3	-1.5	-1.6	-1.8	-2.0	-2.3	-2.5	-2.8	-3.0	-3.3	-3.6	
55	1.3	1.2	1.1	0.9	0.6	0.5	0.2	0.0	-0.3	-0.6	-1.0	-1.2	-1.4	-1.6	-1.8	-2.0	-2.3	-2.5	-2.8	-3.0	-3.3	
60	1.6	1.5	1.4	1.2	0.9	0.7	0.5	0.3	0.0	-0.3	-0.7	-0.9	-1.1	-1.3	-1.5	-1.7	-2.0	-2.2	-2.5	-2.8	-3.0	
65	2.0	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.3	0.0	-0.4	-0.6	-0.8	-1.0	-1.2	-1.4	-1.6	-1.9	-2.1	-2.4	-2.7	
70	2.4	2.3	2.1	1.9	1.7	1.5	1.3	1.0	0.7	0.4	0.0	-0.2	-0.4	-0.6	-0.8	-1.0	-1.2	-1.5	-1.7	-2.0	-2.3	
72	2.5	2.4	2.3	2.1	1.8	1.7	1.5	1.2	0.9	0.6	0.2	0.0	-0.2	-0.4	-0.6	-0.8	-1.1	-1.3	-1.6	-1.8	-2.1	
74	2.7	2.6	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.8	0.4	0.2	0.0	-0.2	-0.4	-0.6	-0.9	-1.1	-1.4	-1.7	-1.9	
76	2.9	2.8	2.7	2.5	2.2	2.0	1.8	1.6	1.3	1.0	0.6	0.4	0.2	0.0	-0.2	-0.4	-0.7	-0.9	-1.2	-1.5	-1.8	
78	3.1	3.0	2.9	2.7	2.4	2.3	2.0	1.8	1.5	1.2	0.8	0.6	0.4	0.2	0.0	-0.2	-0.5	-0.7	-1.0	-1.2	-1.5	
80	3.4	3.3	3.1	2.9	2.7	2.5	2.3	2.0	1.7	1.4	1.0	0.8	0.6	0.4	0.2	0.0	-0.2	-0.5	-0.7	-1.0	-1.3	
82	3.6	3.5	3.4	3.2	2.9	2.7	2.5	2.3	2.0	1.6	1.2	1.1	0.9	0.7	0.5	0.2	0.0	-0.2	-0.5	-0.8	-1.1	
84	3.8	3.7	3.6	3.4	3.1	3.0	2.8	2.5	2.2	1.9	1.5	1.3	1.1	0.9	0.7	0.5	0.2	0.0	-0.3	-0.5	-0.8	
86	4.1	4.0	3.9	3.7	3.4	3.2	3.0	2.8	2.5	2.1	1.7	1.6	1.4	1.2	1.0	0.7	0.5	0.3	0.0	-0.3	-0.6	
88	4.4	4.3	4.1	4.0	3.7	3.5	3.3	3.0	2.8	2.4	2.0	1.8	1.7	1.5	1.2	1.0	0.8	0.5	0.3	0.0	-0.3	
90	4.7	4.6	4.4	4.3	4.0	3.8	3.6	3.3	3.0	2.7	2.3	2.1	1.9	1.8	1.5	1.3	1.1	0.8	0.6	0.3	0.0	
92	5.0	4.9	4.8	4.6	4.3	4.1	3.9	3.6	3.4	3.0	2.6	2.4	2.3	2.1	1.9	1.6	1.4	1.1	0.9	0.6	0.3	
94	5.3	5.2	5.1	4.9	4.6	4.4	4.2	4.0	3.7	3.3	2.9	2.8	2.6	2.4	2.2	2.0	1.7	1.5	1.2	0.9	0.6	
96	5.7	5.6	5.4	5.2	5.0	4.8	4.6	4.3	4.0	3.7	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.8	1.6	1.3	1.0	
98	6.0	5.9	5.8	5.6	5.3	5.1	4.9	4.7	4.4	4.1	3.7	3.5	3.3	3.1	2.9	2.7	2.4	2.2	1.9	1.6	1.3	
100	6.4	6.3	6.2	6.0	5.7	5.5	5.3	5.1	4.8	4.4	4.0	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.0	1.7	
101	6.6	6.5	6.4	6.2	5.9	5.7	5.5	5.3	5.0	4.6	4.2	4.1	3.9	3.7	3.5	3.2	3.0	2.8	2.5	2.2	1.9	
102	6.8	6.7	6.6	6.4	6.1	5.9	5.7	5.5	5.2	4.8	4.4	4.3	4.1	3.9	3.7	3.5	3.2	3.0	2.7	2.4	2.1	
103	7.0	6.9	6.8	6.6	6.3	6.1	5.9	5.7	5.4	5.1	4.7	4.5	4.3	4.1	3.9	3.7	3.4	3.2	2.9	2.6	2.3	
104	7.2	7.1	7.0	6.8	6.5	6.4	6.1	5.9	5.6	5.3	4.9	4.7	4.5	4.3	4.1	3.9	3.6	3.4	3.1	2.9	2.6	
105	7.5	7.4	7.2	7.0	6.8	6.6	6.4	6.1	5.8	5.5	5.1	4.9	4.7	4.5	4.3	4.1	3.9	3.6	3.4	3.1	2.8	
106	7.7	7.6	7.5	7.3	7.0	6.8	6.6	6.3	6.1	5.7	5.3	5.1	5.0	4.8	4.6	4.3	4.1	3.8	3.6	3.3	3.0	
107	7.9	7.8	7.7	7.5	7.2	7.0	6.8	6.6	6.3	5.9	5.6	5.4	5.2	5.0	4.8	4.6	4.3	4.1	3.8	3.5	3.2	
108	8.2	8.1	7.9	7.7	7.5	7.3	7.1	6.8	6.5	6.2	5.8	5.6	5.4	5.2	5.0	4.8	4.6	4.3	4.1	3.8	3.5	
109	8.4	8.3	8.2	8.0	7.7	7.5	7.3	7.1	6.8	6.4	6.0	5.9	5.7	5.5	5.3	5.0	4.8	4.6	4.3	4.0	3.7	
110	8.7	8.6	8.4	8.2	8.0	7.8	7.6	7.3	7.0	6.7	6.3	6.1	5.9	5.7	5.5	5.3	5.1	4.8	4.5	4.3	4.0	
111	8.9	8.8	8.7	8.5	8.2	8.0	7.8	7.6	7.3	6.9	6.5	6.4	6.2	6.0	5.8	5.6	5.3	5.1	4.8	4.5	4.2	
112	9.2	9.1	8.9	8.7	8.5	8.3	8.1	7.8	7.5	7.2	6.8	6.6	6.4	6.2	6.0	5.8	5.6	5.3	5.1	4.8	4.5	
113	9.4	9.3	9.2	9.0	8.7	8.6	8.4	8.1	7.8	7.5	7.1	6.9	6.7	6.5	6.3	6.1	5.9	5.6	5.3	5.1	4.8	
114	9.7	9.6	9.5	9.3	9.0	8.8	8.6	8.4	8.1	7.8	7.4	7.2	7.0	6.8	6.6	6.4	6.1	5.9	5.6	5.3	5.0	
115	10.0	9.9	9.8	9.6	9.3	9.1	8.9	8.7	8.4	8.0	7.6	7.5	7.3	7.1	6.9	6.6	6.4	6.2	5.9	5.6	5.3	
116	10.3	10.2	10.1	9.9	9.6	9.4	9.2	9.0	8.7	8.3	7.9	7.8	7.6	7.4	7.2	6.9	6.7	6.5	6.2	5.9	5.6	
117	10.6	10.5	10.4	10.2	9.9	9.7	9.5	9.3	9.0	8.6	8.2	8.1	7.9	7.7	7.5	7.2	7.0	6.8	6.5	6.2	5.9	
118	10.9	10.8	10.7	10.5	10.2	10.0	9.8	9.6	9.3	8.9	8.5	8.4	8.2	8.0	7.8	7.5	7.3	7.1	6.8	6.5	6.2	
119	11.2	11.1	11.0	10.8	10.5	10.3	10.1	9.9	9.6	9.2	8.8	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.8	6.5	
120	11.5	11.4	11.3	11.1	10.8	10.7	10.4	10.2	9.9	9.6	9.2	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.2	6.9	
121	11.9	11.8	11.6	11.4	11.2	11.0	10.8	10.5	10.2	9.9	9.5	9.3	9.1	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	
122	12.2	12.1	12.0	11.8	11.5	11.3	11.1	10.9	10.6	10.2	9.8	9.7	9.5	9.3	9.1	8.8	8.6	8.4	8.1	7.8	7.5	
123	12.5	12.4	12.3	12.1	11.8	11.7	11.5	11.2	10.9	10.6	10.2	10.0	9.8	9.6	9.4	9.2	8.9	8.7	8.4	8.2	7.9	
124	12.9	12.8	12.7	12.5	12.2	12.0	11.8	11.6	11.3	10.9	10.5	10.4	10.2	10.0	9.8	9.5	9.3	9.1	8.8	8.5	8.2	
125	13.3	13.2	13.0	12.8	12.6	12.4	12.2	11.9	11.6	11.3	10.9	10.7	10.5	10.3	10.1	9.9	9.7	9.4	9.2	8.9	8.6	

EP = S - A

Evaporation Potential is the Surface Vapor Pressure minus the Air Vapor Pressure in kPa

Using your meters, find the **Surface Temperature** and the **Dew Point** or the **GPP** of the Air. Then, using the chart, find where those two numbers intersect to locate the Evaporation Potential (EP). The higher the EP, the better.

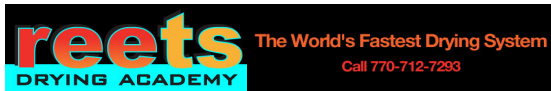
An EP of at least 7 is recommended for Direct containment.

An EP of at least 3.5 is recommended for Regional containment.



thermal energy system

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