

V P D

VAPOR PRESSURE DEFICIT · kPa
AIR VPD · AIR TEMPERATURE

	18°	19°	20°	21°	22°	23°	24°	25°	26°	27°	28°	29°	30°	31°	32°
85%	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7
80%	0.4	0.4	0.5	0.5	0.5	0.6	0.6	0.6	0.7	0.7	0.8	0.8	0.8	0.9	1.0
75%	0.5	0.5	0.6	0.6	0.7	0.7	0.7	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.2
70%	0.6	0.7	0.7	0.7	0.8	0.8	0.9	1.0	1.0	1.1	1.1	1.2	1.3	1.3	1.4
65%	0.7	0.8	0.8	0.9	0.9	1.0	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7
60%	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9
55%	0.9	1.0	1.1	1.1	1.2	1.3	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1
50%	1.0	1.1	1.2	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.4
45%	1.1	1.2	1.3	1.4	1.5	1.5	1.6	1.7	1.8	2.0	2.1	2.2	2.3	2.5	2.6
40%	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.3	2.4	2.5	2.7	2.9

☐ too wet
 ☐ clone
 ☐ veg
 ☐ flower
 ☐ too dry

Read the column at your air temperature and the row at your relative humidity.
Under LEDs leaves run 1-3 °C cooler, so your real (leaf) VPD is a bit lower – see the leaf chart.

Magnus-Tetens · kPa · guideline values, sources vary by ±0.1-0.2 kPa



THE TRICHOME SOCIETY

trichomesociety.com/vpd-chart · free calculator at trichomesociety.com/vpd