

Table 13.6 Dew point relationships with common humidity parameters.

Short Summary of numerical relation between common humidity parameters in air at atmospheric pressure (101325 Pa)				
Dew point (with respect to ice below 0 °C) °C	Saturation vapor pressure Pa	Number of parts water vapor per million parts dry gas ppm _v	Relative humidity at 100 °C %RH	Relative humidity at 20 °C %RH
100	101419	∞	100	
80	47695	889334	47	
60	20065	246923	20	
40	7421	79028	7.3	
20	2349	23733	2.3	100
10	1233	12319		53
0	614	6097		26
-10	261	2583		11
-20	103	1018		4.4
-40	12.9	127		
-60	1.1	11		
-80	0.06	0.6		