Atmospheric Water Vapour Resource Finder

pressure = 1.01325 bar (standard barometric pressure at sea level)

Temp, °C	Relative Humidity									
	10%	20%	30%	40%	50%	60%	70%	80%	90%	100%
7	1	2	2	3	4	5	5	6	7	8
8	1	2	2	3	4	5	6	7	7	8
9	1									9
10	1									9
11	1									10
12	1									11
13	1									11
14	1									12
15	1									13
16	1									14
17	1									15
18	2									15
19	2									16
20	2									17
21	2									18
22	2									20
23	2									21
24	2									22
25	2									23
26	2									24
27	3									26
28	3									27
29	3									29
30	3									30
31	3									32
32	3									34
33	4								2	36
34	4								34	38
35	4								36	40
36	4								38	42
37	4	9	13	18	22	26	31	35	40	44
38	5	9	14	19	23	28	32	37	42	46

Resource: Water vapour density, g/m^3 [Humidity Ratio/Volume of Moist Air]

What is the resource your water-from-air equipment has to work with?

Find mass of water vapour per cubic metre of air (g/cu. m), given:
- pressure (bar),
- dry bulb temperature (deg C), and
- relative humidity (%)

of the air entering the water-from-air equipment.

Standard barometric pressure at sea level (1013.25 mb = 101.325 kPa) can be assumed in most habitable locations and elevations.

The Standard Test Conditions for dehumidifiers (AHAM DH-1-2008) are 26.7 deg C, 60% RH giving a water vapour density resource of 15.3 g/cu. m.