

Feedback

Long Overdue Correction Identified

by S. Bruce King

Back in August 2002, our newsletter had a technical discussion about vapor pressures and the units of measure used to report the vapor pressure of a substance. At the end of the article the author, S. Bruce King, gave a list of conversion factors to convert from set of units to another. Also provided was a table that gave vapor pressures and their values for different measurement units. View this original article here.

A mistake was identified by, Ronald B. Crosier of SBCCOM, who recognized that I had used the conversion factor for centimeters of water rather than for inches of water.

I have redone the table, which is shown below. My thanks to Ronald and I apologize for any inconvenience this may have caused anyone.

atm	psi	mm of Hg	in of water	ft of water
0.01	0.14696	7.6	4.07	0.339
0.05	0.7348	38	20.340	1.695
0.1	1.4696	76	40.679	3.390
0.5	7.348	380	203.397	16.950
0.7	10.2872	532	284.756	23.730
1	14.696	760	406.794	33.8995
2	29.392	1520	813.588	67.799
5	73.48	3800	2033.97	169.498
10	146.96	7600	4067.94	338.995
20	293.92	15200	8135.88	677.99
50	734.8	38000	20339.7	1694.975
80	1175.68	60800	32543.52	2711.96