

CALCULATOR

ALTITUDE CORRECTION

SUL-13-210

Standard Conditions*:

- Pressure (PSIA)
- Temperature (Deg F)
- Relative Humidity (%)
- [Saturated Vapor Pressure \(PSIA\)](#)

Site Conditions:

- Altitude above sea level (Ft. AMSL)
- [Pressure \(PSIA\)](#)
- Temperature (Deg F)
- Relative Humidity (%)
- [Saturated Vapor Pressure \(PSIA\)](#)

Enter: Specified SCFM
Read: Required ACFM at Site Conditions

Enter: ACFM at Site Conditions
Read: Equivalent SCFM

* Standard Conditions may be modified to establish Alternative Conditions

Saturated Vapor Pressure					
Temp Deg F	Press PSIA	Temp Deg F	Press PSIA	Temp Deg F	Press PSIA
32	0.0887	62	0.2749	92	0.7429
34	0.0961	64	0.2949	94	0.7902
36	0.1041	66	0.3162	96	0.8403
38	0.1126	68	0.3388	98	0.8930
40	0.1217	70	0.3628	100	0.9487
42	0.1315	72	0.3883	102	1.0072
44	0.1420	74	0.4153	104	1.0689
46	0.1532	76	0.4440	106	1.1338
48	0.1652	78	0.4744	108	1.2020
50	0.1780	80	0.5067	110	1.2740
52	0.1918	82	0.5409	112	1.3500
54	0.2063	84	0.5772	114	1.4290
56	0.2219	86	0.6153	116	1.5120
58	0.2384	88	0.6555	118	1.6000
60	0.2561	90	0.6980	120	1.6920

Altitude Pressure Table			
Alt Ft.	Press PSIA	Alt Ft.	Press PSIA
500	14.432	5500	12.000
1000	14.172	6000	11.777
1500	13.916	6500	11.556
2000	13.664	7000	11.339
2500	13.415	7500	11.126
3000	13.171	8000	10.915
3300	13.025	8500	10.708
3500	12.929	9000	10.504
4000	12.692	9500	10.304
4500	12.458	10000	10.106
5000	12.227	10500	9.911

[Click here for calculator](#)

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