

Table of Absolute Humidity and Dewpoint Values

Source of air:	Dew Point in Fahrenheit			Absolute Humidity
	Ambient	100 psi	4500 psi	grams / cubic meter
Saturated air at inlet (worst case)	68	136	325	17.5
After shop compressor	17	68	206	2.2
After tank is filled	-48	-14	68	0.06
Drying media / standard:				
Silica Beads	-45	-10	74	0.07
Molecular Sieve Beads (4A)	-100	-74	-18	0.001
Class 1 Breathing Air	-94	-67	-9	0.002
Data for other considerations:				
Hot air charge out of shop compressor	55	120	295	11.1
Hot air charge out of "hot" Shoebox	-22	17	120	0.3
Hot air charge out of "cool" Shoebox	-39	-3	85	0.1

Memo: 1 cubic meter = 35.3 cubic feet, or a little more than one fill of a 60 minute tank
from 3000 to 4500 psi (1.2 fills, to be precise)