

CO2 Mass Grams	Expands 500 cc/g	Normal			Charged: psi@70F, Filling ratio: 75%										
		Liters	cu inches	cu feet	1ml cyl	2ml cyl	10ml cyl	15ml cyl	20ml cyl	30mlcyl	50ml cyl	60ml cyl	70ml cyl	80ml cyl	98ml cyl
0.1	50	0.05	3.05	0.002	580	333	64	38	25	12	2	0	0	0	0
0.2	100	0.10	6.10	0.004	850	580	137	89	64	38	17	12	8	5	2
0.3	150	0.15	9.15	0.005	850	742	207	137	101	64	30	25	19	15	9
0.4	200	0.20	12.20	0.007	850	850	272	184	137	89	48	38	31	25	17
0.5	250	0.25	15.26	0.009	850	850	333	229	173	123	64	51	42	35	25
1.0	500	0.50	30.51	0.018		850	580	426	333	229	137	123	96	82	64
8.0	4,000	4.00	244.09	0.141			850	850	850	850	765	696	634	580	500
12.0	6,000	6.00	366.14	0.212				850	850	850	850	850	789	742	662
15.0	7,500	7.50	457.68	0.265					850	850	850	850	850	832	750
20.0	10,000	10.00	610.24	0.353						850	850	850	850	850	850
30.0	15,000	15.00	915.35	0.530							850	850	850	850	850
40.0	20,000	20.00	1220.47	0.706								850	850	850	850
50.0	25,000	25.00	1525.59	0.883									850	850	850
60.0	30,000	30.00	1830.71	1.059										850	850
70.0	35,000	35.00	2135.83	1.236											850
74.0	37,000	37.00	2257.87	1.307											850

CO2 Purity by Grade	
Grade	Purity %
Research	99.999
Supercritical Fluid	99.998
Laser	99.95
Anaerobic	99.95
Beverage	99.9
Food	99.9
Bone Dry	99.8
Medical	99.5
Industrial	99.5

F	°C	liter	Calculated value (cc) Expanded Volume
-45	-42.8	0.429	429.1
-40	-40.0	0.434	434.3
-30	-34.4	0.445	444.7
-20	-28.9	0.455	455.0
-10	-23.3	0.465	465.4
0	-17.8	0.476	475.7
10	-12.2	0.486	486.1
20	-6.7	0.496	496.4
30	-1.1	0.507	506.8
40	4.4	0.517	517.2
50	10.0	0.528	527.5
60	15.6	0.538	537.9
62	16.7	0.540	539.9
70	21.1	0.548	548.2
72	22.2	0.550	550.3
80	26.7	0.559	558.6
90	32.2	0.569	568.9
100	37.8	0.579	579.3
110	43.3	0.590	589.6
120	48.9	0.600	600.0
130	54.4	0.610	610.4
140	60.0	0.621	620.7
145	62.8	0.626	625.9
150	65.6	0.631	631.1

CO2 expansion for 1g (NET WT) based on temperature
This is provided for reference only and was designed
to provide you with the basic information needed to
evaluate CO2 in a range of temperatures.

CO2=1g
mol weight=44.01
1mol=22.4L
0°C (32F)