BALLOON HELUM CHART

Round Latex Balloons			
Balloon Size	Approximate Volume	Approximate Lift	Approximate Flying Time
7 inches	.104 cu. ft.	.087 ounce	3 to 5 hours
8 inches	.155 cu.ft.	.130 ounce	4 to 6 hours
9 inches	.221 cu. ft.	.186 ounce	8 to 14 hours
10 inches	.303 cu. ft.	.254 ounce	16 to 18 hours
11 inches	.403 cu. ft.	.339 ounce	18 to 24 hours
12 inches	.523 cu. ft.	.440 ounce	22 to 28 hours
13 inches	.666 cu. ft.	.559 ounce	24 to 30 hours
14 inches	.831 cu. ft.	.698 ounce	26 to 34 hours
15 inches	1.022 cu. ft.	.859 ounce	30 to 42 hours
16 inches	1.241 cu. ft.	1.042 ounces	36 to 48 hours
18 inches	1.767 cu. ft.	1.484 ounces	42 to 54 hours
24 inches	4.188 cu. ft.	3.518 ounces	2 to 3 days
30 inches	8.179 cu. ft.	6.871 ounces	3 to 4 days
36 inches	14.134 cu. ft.	11.872 ounces	4 to 5 days
40 inches	19.388 cu. ft.	1 pound .286 ounces	5 to 6 days
4 feet	33.502 cu. ft.	1 pound 12.142 ounces	6 to 7 days
5 feet	65.434 cu. ft.	3 pounds 6.964 ounces	7 to 8 days
6 feet	113.069 cu. ft.	5 pounds 14.978 ounces	8 to 9 days
8 feet	268.016 cu. ft.	16 pounds 12.016 ounces	8 to 10 days
12 feet	904.555 cu. ft.	47 pounds 7.826 ounces	12 to 14 days
20 feet	4187.753 cu. ft.	219 pounds 13.712 ounces	16 to 21 days

Heart Shaped Balloons			
Balloon Size	Approximate Volume	Approximate Lift	Approximate Flying Time
11 inch	.35 cu. ft.	.294 ounce	8 to 10 hours
17 inch	1.00 cu. ft.	.840 ounce	18 to 24 hours
36 inch	15.66 cu. ft.	13.155 ounces	3 to 4 days
Geo® Heart	.35 ounce	.294 ounce	8 to 10 hours

Geo® Donut and Blossom Balloons			
Balloon Size	Approximate Volume	Approximate Lift	Approximate Flying Time
16 inch	.50 cu. ft.	.420 ounce	16 to 20 hours

HELIUM has a lift of .84 ounces per cubic foot at sea level.

To determine the volume of a balloon in cubic feet, multiply the cube of the radius in inches by 1.333, multiply the

To determine the lift of a helium filled balloon, multiply the volume in cubic feet by .84 to determine ounces, Divide ounces by 16 to determine pounds.

Lift is reduced approximately 7.5% for each 1000 feet above sea-level.

The information contained in this chart is computed at sea-level and is approximate.

Volume may vary due to over-inflation or under-inflation of the balloon.

Lift, and flying time are effected by such things as helium quality, weather, humidity, temperature, atmospheric conditions, and elevation above sea-level. As a "rule of thumb", reduce lift and flying time by 7.5% for each 1000 feet above sea-level.