

Balloon Capacity Data

Latex Balloon Size	Volume of Helium per Balloon
9"	.27 cu/ft
10"	.30 cu/ft
11"	.50 cu/ft
12"	.62 cu/ft
14"	1.00 cu/ft
16"	1.25 cu/ft
20"	2.42 cu/ft
36"	14.14 cu/ft
Mylar	
18"	.44 cu/ft
26"	1.5 cu/ft

Large Weather Balloons		
Balloon Size	Volume in Cu. Ft.	Payload Lift with Helium
4'	33	1.7 lbs
5'	65	3.5 lbs
8'	268	14.0 lbs
12'	905	48.0 lbs
20'	4189	222.0 lbs

Helium Cyl. Size	Pressure PSI	Balloons				
		9"	10"	11"	12"	14"
285	2640	1054	955	570	548	285
242	2485	895	806	484	465	242
213	2200	788	710	426	409	213
195	2000	721	650	390	375	195
120	2000	390	370	240	225	120
50	1800	170	150	100	85	50
20	2015	74	67	40	38	20

Helium Cylinder Safety Precautions

What to do

- § Read, understand and observe the safety precautions on the cylinder neck label and the warning label on the side of the cylinder.
- § Store and use helium cylinders in a well ventilated area and in an upright secured position so they cannot be knocked over.
- § **Cylinders must be chained to a wall or placed in a safety stand at all times.**
- § Close the cylinder valve after each use and when cylinder is empty. Remove the regulator and replace the cylinder protective cap before transporting any helium cylinders.
- § Use a cylinder cart to move cylinders.
- § Always open cylinder valves very, very **slowly**. Stand to one side of the cylinder when opening the valve; never stand directly in front of the cylinder.
- § Always keep helium stored in a well ventilated area.

What not to do

- § Do not allow anyone to inhale helium from cylinders or filled balloons.
- § Do not open the cylinder valve before attaching a balloon regulator on the cylinder valve.
- § Do not allow children or any unauthorized persons to handle cylinders or use balloon filling equipment.
- § **Never leave a cylinder unattended in a public area.**
- § Never use any balloon regulator, cylinder or valve fitting that is damaged, leaking or malfunctioning. Have the product repaired or replaced immediately.
- § Do not drop, drag, tip over or roll the helium cylinder on its side.