

Miller's Rental HELIUM FYI

Helium (He)

Helium is the second lightest element. It is a colorless, odorless, tasteless inert gas at room temperature and atmospheric pressure. Helium is present in dry air at a concentration of 0.0005%. Its principal source is natural gas wells where the helium is extracted from the crude natural gas stream and purified. Helium can be stored and shipped either as a gas or a cryogenic liquid. Also, its low specific gravity and non flammability allow its use in lighter-than-air applications such as the filling of balloons and blimps.

Helium Usage Charts

Balloon Size	Balloon Type	Volume of Helium per Balloon
9"	latex	0.27 cubic feet
10"	latex	0.30 cubic feet
11"	latex	0.50 cubic feet
12"	latex	0.52 cubic feet
36"	latex	14.10 cubic feet
18"	mylar	0.44 cubic feet
26"	mylar	1.50 cubic feet
36"	mylar	4.00 cubic feet

Tank Capacity Information					
Tank Size	Pressure	# Balloons Inflated per Tank			
		11" Latex	18" Mylar	26" Mylar	36" Mylar
244 cubic feet	2400 psi	484	666	183	81
291 cubic feet	2800 psi	576	881	194	73

Please Note: These figures are estimates and are based on ideal conditions. During actual inflation, conditions such as temperature, leakage, overfilling, underfilling, and re-inflation can affect these figures significantly.