



Sizing Charts for 60/40 Helium/Air Outlets & Latex Float Times

Dual Sizer w/ 60/40 Outlet Size Setting Chart 70 PSI		
Balloon Size	Helium	
	1 Outlet	2 Outlets
11"	1.4 Seconds	1.7 Seconds
16"	4.2 Seconds	4.5 Seconds
24"	9.5 Seconds	N/A
36"	15 Seconds	N/A

Duplicator 2 w/ 60/40 Outlet Size Setting Chart 70 PSI	
Balloon Size	Helium
11"	1.4 Seconds
16"	4.2 Seconds
24"	9.5 Seconds
36"	15 Seconds

Latex Balloon Float Times with 60/40 Mix	
Balloon Size	Helium
11"	8-12 Hours
11" w/ Ultra Hi-Float®	3-10 Days
16"	30+ Hours
24"	2-4 Days
36"	3-5 Days

- Float times may vary due to altitude, environmental conditions, purity of helium and proper balloon sizing.
- For maximum float time on 11" balloons with a 60/40 mix, it is recommended to use Ultra Hi-Float with the purple restriction clip on the Hi-Float pump.
- Though size settings are higher when using a 60/40 Outlet compared to inflating with 100% helium, you are **not** using more helium. You are using 40% less helium.
- Conwin's 60/40 Inflation Products are:
 - 60/40 Helium/ Air Inflator
 - Precision Plus w/ 60/40 Push Valve
 - Bubble Inflator with 60/40 Push Valve
 - 60/40 Snap-On Outlet for 10ft Ext. Hose
 - 60/40 Outlet for Dual Sizer & Duplicator 2



Automatic Inflator Sizing Charts

The following settings should be used as guidelines for Conwin's automatic inflators. Please note that size settings will vary based on user preference, balloon color, manufacturer and from unit to unit. To adjust the size of balloon to your individual preference it is necessary to inflate test balloons.

Dual Split-Second Sizer Size Setting Chart 70 PSI						
Balloon Size	Helium		Nitrogen		Air Compressor	
	1 Outlet	2 Outlets	1 Outlet	2 Outlets	1 Outlet	2 Outlets
5"	N/A	N/A	0.2 Seconds	0.3 Seconds	0.3 Seconds	0.4 Seconds
9"	0.5 Seconds	0.6 Seconds	1.4 Seconds	1.6 Seconds	1.7 Seconds	2.5 Seconds
11"	0.9 Seconds	1.0 Seconds	2.5 Seconds	2.9 Seconds	3.0 Seconds	4.6 Seconds
16"	2.8 Seconds	3.2 Seconds	7.7 Seconds	8.3 Seconds	N/A	N/A

Double Bubble Size Chart	
Balloon Size	70 PSI
11"	1.1 Seconds
16"	2.5 Seconds

Duplicator 2 Size Setting Chart 70 PSI			
Balloon Size	Helium	Nitrogen	Air Compressor
5"	0.1	0.2 Seconds	0.2 Seconds
9"	0.5 Seconds	1.4 Seconds	1.7 Seconds
11"	0.9 Seconds	2.5 Seconds	2.6 Seconds
16"	2.7 Seconds	7.5 Seconds	7.6 Seconds

TIPS for Dual Sizer & Duplicator 2

PSI SETTINGS refer to the gauge located on adjustable regulator at the back of Dual Sizer or Duplicator 2. This controls the speed of the inflation cycle.

SECONDS SETTINGS refers to the tenth of a second increment readouts on the digital display(s)

Important: To ensure consistent balloon sizing when using helium or nitrogen, it is necessary to check the size of the balloons every 1/3 of a cylinder of gas. If necessary, increase the size of the balloon by either increasing the size setting or the inlet pressure.



Adjusting Inlet Pressure on 2nd Stage Regulator

To adjust the inlet pressure, pull the knob up to release it and turn the knob clockwise to increase the pressure and speed of inflation. This will increase the size of the balloon. To decrease the size of the balloon and speed of inflation,

turn the knob counter-clockwise. Press the knob down to lock it in place after making the desired setting.

Precision Air Size Setting Chart	
Balloon Size	Approx. Time
5"	0.8 Seconds
9"	1.5 Seconds
11"	2.5 Seconds
16"	8 Seconds