



# Dual Split-Second Sizer Inflator

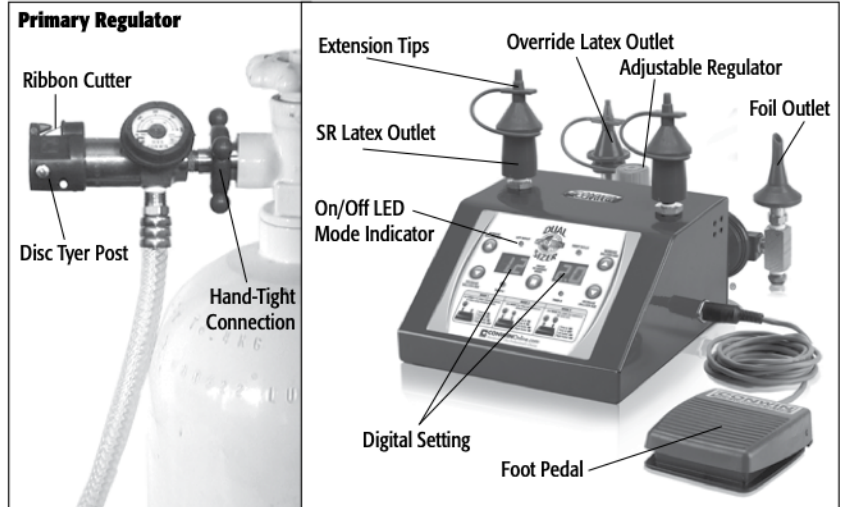
## Instruction Sheet

### Dual Split-Second Sizer Inflator Includes:

- |                                    |                         |
|------------------------------------|-------------------------|
| 1 Dual Split-Second Sizer Inflator | 1 Double Bubble Outlet  |
| 1 Primary Regulator & Supply Hose  | 1 Auto-Fill Foil Outlet |
| 1 Manual Override Latex Outlet     | 1 Foot Pedal            |
| 1 Second Stage Regulator           | 1 Power Cord            |
| 2 SR Latex Outlets                 | 1 Carrying Case         |
| 2 Extension Tips                   |                         |

## Getting Started

- To prevent the risk of electrical shock, do not use the Dual Split-Second Sizer outdoors when weather conditions are wet. Never operate unit on a wet floor or work area.
- Prior to plugging the Dual Split-Second Sizer into an electrical outlet, verify the electrical rating, listed on the label on the back of the Dual Split-Second Sizer, is suitable for outlet.
- If the Dual Split-Second Sizer malfunctions or is damaged in any way discontinue use and unplug unit from electrical outlet. Contact an authorized Conwin Service Center for details on how to receive service.
- Never attempt to repair the Dual Split-Second Sizer yourself. Opening the Dual Split-Second Sizer case will automatically void manufacturer warranty. Contact an authorized Conwin Service Center for all repairs.
- When using helium or nitrogen, always secure the cylinder in a safety stand or wall bracket.



**1** Hand-tighten the primary regulator to a helium or nitrogen cylinder. (For Italian and Russian inflators use a wrench to tighten regulator.) Make sure the cylinder is properly secured in a safety stand or wall bracket prior to attaching the primary regulator. **Do not open the cylinder valve until Step 6.**



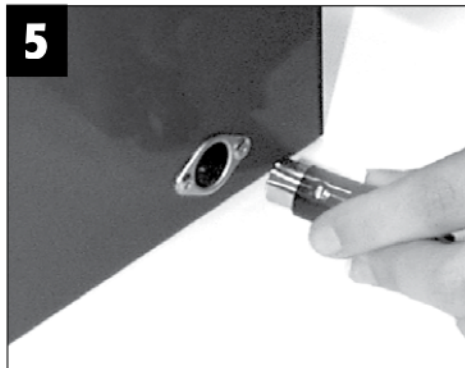
**2** Push to connect the supply hose to the back outlet on the Dual Split-Second Sizer.



**3** Plug the power cord into the side of the unit and into an electrical outlet. (A power strip with surge protector is recommended.) The digital display will appear when unit has power.



**4** Hand-tighten the SR Latex Outlets.



**5** Plug the foot pedal into the side of the unit.



**6** Slowly open the cylinder valve. Make sure the valve is fully opened. The cylinder pressure will read on the gauge located on the regulator. The inlet pressure will read on the second stage regulator gauge, located on the back of the unit.

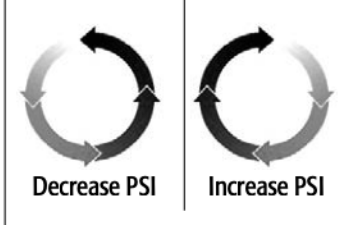
# Setting the Dual Split-Second Sizer



Reference the size setting chart below and set the Dual Split-Second Sizer to the appropriate time and pressure settings.

To adjust the inlet pressure, pull the knob up to release it. Turn the knob clockwise to increase the PSI and counter-clockwise to decrease the PSI. **Press the knob down to lock it in place after making the desired setting.**

**IMPORTANT:** If decreasing PSI, rotate the needle past the desired PSI then rotate the needle back up to final PSI.



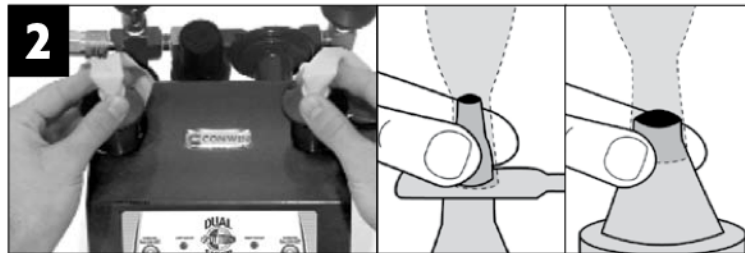
Select the proper mode by pressing the "PRESS TO CHANGE MODE" button. The LED display will indicate which mode the Dual Split-Second Sizer is in. (See MODE Chart Below)

MODE 1		MODE 2		MODE 3	
Use Mode 1 to inflate one balloon or when using an accessory outlet.		Use Mode 2 to inflate two balloons to different sizes.		Use Mode 3 to inflate two balloons to the same size.	
Timer A	ON	Timer A	ON	Timer A	ON
Timer B	OFF	Timer B	ON	Timer B	OFF
Left Outlet	ON	Left Outlet	ON	Left Outlet	ON
Right Outlet	OFF	Right Outlet	ON	Right Outlet	ON

## Automatic Sizing Instructions (Latex Only)



Reference the Size Setting Chart below for proper balloon sizes. Set the appropriate number of seconds by pressing the arrow buttons on the control panel digital display window.



Place the balloon(s) over the inflating outlet(s). For balloons smaller than 9", use the Extension Tip. For 9" balloons & larger, remove the Extension Tip. **To achieve consistent results, do not cover the opening of the outlets or tips with your fingers.**



Tap the foot pedal to begin the inflation cycle. When the system automatically shuts-off, remove the balloons from the outlets, and tie.

## Size Setting Chart

The following settings should be used as guidelines for the Dual Split-Second Sizer. 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.

**PSI SETTINGS** refer to the gauge located on adjustable regulator at the back of Dual Split-Second Sizer. This controls the speed of the inflation cycle.

**SECONDS SETTINGS** refers to the tenth of a second increment readouts on the control panel digital display windows.

**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.

Dual Sizer Size Setting Chart   70 PSI						
Balloon Size	Helium		Nitrogen		Air Compressor	
	1 Outlet	2 Outlet	1 Outlet	2 Outlet	1 Outlet	2 Outlet
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

60/40 Helium/ Air Outlet Settings		
Balloon Size	70 PSI	
	1 Outlet	2 Outlet
11"	1.4 Seconds	1.7 Seconds
16"	4.2 Seconds	4.5 Seconds
24"	9.5 Seconds	N/A
36"	23 Seconds	N/A

60/40 Helium/ Air Outlet Sold Separately





### Auto-Fill Foil Outlet Instructions

Place the foil balloon over the inflating outlet. Pinch the neck of the balloon between thumb and forefinger and press down on the outlet. Support the foil balloon in an upright position to insure the neck of the balloon does not fold over the outlet and restrict the flow of helium. When the balloon has reached the proper pressure the inflator will automatically shut off the helium flow.

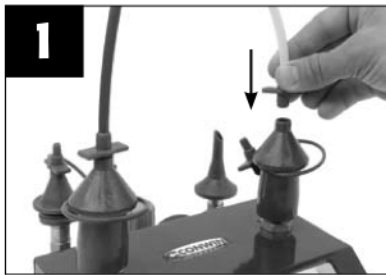
Remove the balloon from the outlet and attach a ribbon and a balloon weight.



### Manual Override Latex Outlet Instructions

Press push valve down to inflate individual balloons to any size without changing the digital size setting. The extension tip is available to inflate 5" and entertainer balloons.

## Double Bubble Inflation Instructions



**1** Press-fit the Double Bubble Outlet onto the inflating outlets of the Dual Split-Second Sizer. Attach the yellow hose to the right outlet and the blue hose to the left outlet.



**2** Set the Dual Split-Second Sizer to **MODE 2** on the control panel. Reference the following chart to set the unit to properly inflate the balloons.



**3** Place the 11" balloon over the blue hose.



**4** Place the 16" balloon over the 11" balloon and the yellow hose. Hold firmly to prevent helium from escaping during the inflation process.



**5** Tap the foot pedal to inflate the balloons. After the balloons are fully inflated, pinch the neck of the balloons together and remove the Double Bubble outlet quickly to prevent helium from escaping.

### Double Bubble Balloon Size Chart

#### **Inside Balloon: 11"**

70 PSI  
Left outlet, blue hose,  
Dual Sizer Setting: 1.1 Seconds

#### **Outside Balloon: 16"**

70 PSI  
Right outlet, yellow hose,  
Dual Sizer Setting: 2.5 Seconds

## Tying Double Bubble Balloons



Pull the neck of the inside 11" balloon while pinching the necks of the 2 balloons together.



Stretch the neck of the inside 11" balloon around the neck of the outside 16" balloon.



Tie off the balloon.



# Add-On Accessories for the Dual Split-Second Sizer



## 60/40 Helium-Air Outlet

The 60/40 Helium/Air Outlet enables the user to inflate 11" or larger balloons with a mixture of 60% helium and 40% air.

**Conwin # 36310**



## Insider Balloon Stuffing Tool

This fast and easy-to-use tool efficiently fills large balloons with the maximum number of small balloons. The Insider can be clamped to any convenient table or workstation.

**Conwin # 85900**



## He/N2 Quick Switch

The He/N2 Quick Switch allows the user to switch from helium to nitrogen by turning the knob. Exclusively designed to be used with Conwin's Duplicator 2 and Dual Split-Second Sizer models that feature the second stage regulator separate from the supply line and primary regulator.

**Conwin # 36350**



## Air Compressor Hook-Up Hose

The Air Compressor Hook-Up Hose, with quick-disconnect fittings and moisture filter, allows user to operate inflator up to 12-ft. away from the compressor.

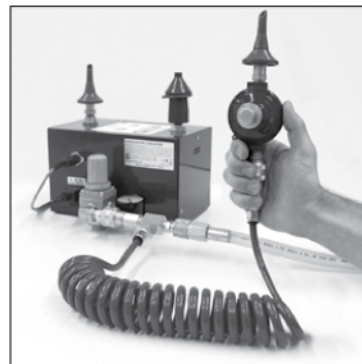
**Conwin # 36340**



## Hi-Float® Outlet

The hand-tight Hi-Float® Outlet enables the user to inflate balloons filled with Hi-Float® neck up. This prevents any Hi-Float® from getting into the inflator.

**Conwin # 36320**



## Digital Inflator 10ft Extension Hose

Snaps on to the back of the inflator and allows you to inflate up to 10ft away. Choose between 5 different snap-on outlets to meet the need of any job.

**Conwin # 10630**

## Service & Warranty

For assistance with service & repair issues or for warranty information, please visit [ConwinOnline.com/Support](http://ConwinOnline.com/Support), or call 1-(818) 246-9233



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