



## Equipment Training Handbook

2019 Edition

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## PRODUCT WARRANTY

Conwin Carbonic Company, Inc. warrants to the original purchaser that the product purchased is free of defects in materials and workmanship for 2-years from the date of purchase. This warranty does not apply if the product has been damaged by an accident, electrical fault, or through misuse, abuse, or normal wear and tear. Conwin's Product Warranty applies exclusively to Conwin manufactured products including: basic inflators, air inflators, digital inflators, remote systems, accessories, special effects, and safety equipment.

### WHAT IS COVERED

Conwin's products are manufactured according to a rigid code of quality standards. If defects in materials or workmanship occur within 2-years from the date of purchase Conwin will repair or replace the product at Conwin's option. Customers are responsible for all shipping charges to Conwin for repairs, whether under warranty or not, including duties, VAT, and taxes. All shipping charges must be prepaid and items need to be properly insured.

### WHAT IS NOT COVERED

Conwin's Product Warranty is non-transferable and does not cover defects resulting from normal wear and tear, damage incurred during shipping, accidents, alterations, neglect, improper or incorrectly performed maintenance or repairs, modifications, failure to follow instructions, misuse, fire, flood, or acts of God. Please view the FAQ section at [ConwinOnline.com](http://ConwinOnline.com) for more information. "Wear and tear" is damage that naturally occurs as a result of normal use. Regardless of how carefully you use and care for your Conwin product, service and maintenance will be required. Examples of "wear and tear" issues after 2-years in service that are not covered under Conwin's Product Warranty include, but are not limited to the following components: timer board, solenoid, motor, foot pedal, overlay panel buttons, outlet extension tips, and O-rings. For warranty evaluations, please contact a Conwin Repair Technician.

### WARRANTY LIMITATIONS

Conwin's Product Warranty is given in lieu of all other warranties expressed or implied, written or oral. No employee, agent, dealer, distributor, or other person is authorized to give any warranties on behalf of Conwin Carbonic Company, Inc. Units that utilize replacement parts or components that are no longer manufactured by Conwin cannot be repaired. Conwin will not send a temporary unit or replacement unit until the unit in question has been received and inspected by Conwin's Service & Repair Dept. nor will Conwin compensate the customer for loss of time, loss of use, inconvenience, property damage caused by a Conwin product, or any other incidental or consequential damages or expenses incurred by the customer due to use of or inability to use any Conwin product.

### SHIPPING CHARGES

Customers are responsible for all shipping charges to Conwin, whether the product is deemed to be under warranty or not, including duties, VAT, and taxes. All shipping charges must be prepaid and items insured. Products under warranty will be shipped back to the customer by the most economical means available. If desired, expedited shipping is available at the full expense of the customer. Customers are responsible for shipping charges to and from Conwin for products not covered under warranty. Please view the FAQ section at [ConwinOnline.com](http://ConwinOnline.com) for more information.

### INTERNATIONAL ELECTRICAL CURRENT WARNING

The Conwin Line of electrical inflators are precision instruments designed to operate under very specific conditions and are not intended for sale or use in all countries due to strong variances of electrical current and extreme climate conditions. We recommend that Conwin Electrical Inflators not be used in countries with sporadic, undetermined, excessive, or unregulated current flows. Conwin equipment used in any such country will not be warrantied or repaired. For a list of countries Conwin's electric inflators are not approved for, please refer to the FAQ section at [ConwinOnline.com](http://ConwinOnline.com).

### HOW TO RECEIVE SERVICE

Visit [ConwinOnline.com](http://ConwinOnline.com)'s Service & Support Center for troubleshooting tips, replacement parts, instruction sheets, how-to videos, and more. If your product requires factory service, please complete the online Service and Repair request form to file your claim.



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## DECLARATION OF CONFORMITY

### Product Certifications Held:



CSA CERT. # 152 4421 (Dual Sizer & Duplicator 2) CLASS 2252 83/2252 03  
CSA CERT. # 155 3317 (Precision Air, Air Force 4, Air Pro) CLASS 3890 01/3890 81



Comtest Test Report # 21507/55 EN1 (Precision Air) CLASS B, GROUP 1  
Comtest Test Report # 21507/55 EN (Dual Sizer & Duplicator 2) CLASS B, GROUP 1

### Standards and Directives Under Which Conformity is Declared:



EN DIR. 2014/35/EU	EN 61000-4-11:2011	IEC 60335-1 AMD. 1 ED. 5.0:1:2014
EN DIR. 2014/68/EU PED CAT. 1, MOD. A	EN 61326-1:2006	EN 55014-2:2015
EN 55011:2009 CLASS A, GROUP 1	EN 61326-1:2006 CLASS B	EN 55014-1:2006 + A2:2011
EN 61000-4-2:2009	EN 61362 ED. 2.0:2012 CLASS A	EN 61000-3-2:2006
EN 61000-4-3:2006	EN 55011:2009 + A1:2010 CLASS A, GROUP 1	EN 61000-3-3 ED. 3.0:2013
EN 61000-4-5:2004	EN 50081-1:1992	ISO 2503:2009
EN 61000-4-6:2009	AS/NZS 3820:2009	CAN/CSA C22.2 61010-1-04
EN 55011:2009 + A1:2010 CLASS A, GROUP 1	AS/NZS CISPR 11:2011 CLASS B, GROUP 1	UL STD. 61010-1:2004 ED.2
AS/NZS 60335.1:2011 AMD. 1:2012		

CE Participation as of January 1, 2004

Conwin inflators are assembled using acquired critical components manufactured under one or more of the following certifications:



### Assembly Manufacturer:

**Conwin Carbonic Company, Inc.**  
4510 Sperry Street  
Los Angeles, CA 90039 USA  
818.246.9233

### Equipment Description(s):

Balloon Inflating Device, Regulator: Balloon Inflators

### Equipment Class(s):

Household Supplies, Electrical Tools, Electric Equipment Measurement, &  
Similar CLASS: 3890-01, 2252-85, 3890-81, 2252-05, GROUP 1, CLASS A, B, PED CAT. 1, MOD A

### Brand Name:

CONWIN

### Model(s):

Air Force 4, Precision Air, Air Pro, Balloon Bulb, Dual Split-Second Sizer, Duplicator 2,  
Conwin Classic, Precision Plus, 10-Foot Extension Hose, Speed Inflators,  
Economy Inflator, 60/40 Helium/Air Inflator, The Workstation, The Cube

*I the undersigned, hereby declare that the equipment specified above,  
Conforms to the above Directive(s) and Standard(s)*



**Michael David Wing**  
Chief Executive Officer  
June 1, 2017





# Suggesting the Right Tools for the Right Customer

From decorators to store owners, Conwin products are designed to help balloon professionals take their business to the next level.

## BALLOON DECORATORS

### Beginners/ Hobbyists

Precision Plus	pg. 12
Air-Pro or Air Force 4	pg. 20/21
Aluminum Cylinder	pg. 32
Arch Line	pg. 30
Arch Line Dispenser	pg. 30
Ribbon Dispenser	pg. 31

### Intermediate/ Advanced

Dual Split-Second Sizer	pg. 25
Precision Air	pg. 22
Aluminum Cylinder	pg. 32
Insider Balloon Stuffing Tool	pg. 27
Balloon Bulbs	pg. 28
LED Spectrum Balloon Bulb	pg. 29
He/N2 Quick Switch	pg. 25

## PARTY STORES

### Small Scale

Bubble Inflator or Workstation	pg. 14/17
Aluminum Cylinder	pg. 32
Cylinder Safety Stand	pg. 32
Cylinder Cover	pg. 30
8-Spool Ribbon Dispenser	pg. 31
Balloon Caddy	pg. 30

### Large Scale

Duplicator 2	pg. 23
10ft Extension Hose Inflator	pg. 15
Air-Pro	pg. 20
Safety Stand or Hand Truck	pg. 32
Remote Helium Set-Up	pg. 33
Balloon Caddy	pg. 30
Cylinder Cover	pg. 30
Ribbon Dispenser	pg. 31

## FLORISTS

### Small Scale

Precision Plus or Bubble Inflator	pg. 12/14
Aluminum Cylinder	pg. 32
Cylinder Cover	pg. 30
Balloon Caddy	pg. 30
Ribbon Dispenser	pg. 31

### Large Scale

Duplicator 2	pg. 23
10ft Extension Hose Inflator	pg. 15
Remote Helium Set-Up	pg. 33
Aluminum Cylinders	pg. 32
Balloon Caddy	pg. 30
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## TWISTERS & ENTERTAINERS

Air-Pro	pg. 20
Designer Work Belt	pg. 31
Quick Cutter	pg. 31
Scissor Keepers	pg. 31

## RENTAL CENTERS

Economy Inflator	pg. 8
Classic Inflator	pg. 10
Aluminum Cylinders	pg. 32
Transfill Manifold	pg. 32

Balloon professionals rely on the following items while on the job or in the store: Scissor Keepers, Grip Tabs, Grips Strips, Quick Cutters, and Designer Work Belt (pg. 30-31).









# Inflator Comparison Charts

## Basic & Specialty Inflators





		Manually Inflates Latex	Automatically Inflates Foils	60/40 Helium/ Air Mix for Latex	Automatically Inflates Bubbles™ Balloons	Inflates more than one balloon at time	Snap-On Accessories Available
	Economy Inflator	✓					
	Economy Inflator w/ 10ft. Ext. Hose	✓	✓ w/ Snap-On Auto-Fill Foil Outlet	✓ w/ Snap-On 60/40 Outlet	✓ w/ Snap-On Bubble & Foil Outlet		✓
	Classic Inflators	✓					
	60/40 Inflator	✓		✓			
	Precision Plus Inflators	✓	✓				
	Precision Plus w/ 60/40 Outlet	✓	✓	✓			
	Precision Plus Quick-Change Inflator	✓	✓	✓ w/ 60/40 Snap-On Outlet	✓ w/ Bubble Snap-On Outlet		✓
	Bubble Inflators	✓	✓	✓			
	Bubble Inflators w/ 60/40 Outlet	✓	✓	✓ w/ 60/40 Outlet Option	✓		
	Workstation Inflator	✓	✓	✓ w/ 60/40 Outlet Option			
	Speed Inflators	✓				✓	
	10ft. Extension Hose Inflator	✓	✓ w/ Snap-On Auto-Fill Foil Outlet	✓ w/ Snap-On 60/40 Outlet	✓ w/ Snap-On Bubble & Foil Outlet	✓	✓

# Inflator Comparison Charts (cont.)

## 10ft Ext. Hose Snap-On Accessories




		Manually Inflates Latex	Automatically Inflates Foils	60/40 Helium/Air Mix for Latex	Automatically Inflates Bubbles™ Balloons
		Flex-Tilt Valve	✓		
		Auto-Fill Foil Outlet		✓	
		Bubble & Auto Foil Outlet		✓	✓
		60/40 Outlet	✓		✓
		Trigger Valve	✓		

## Automatic Sizing Inflators

Automatic Sizing Inflators		AUTOMATICALLY INFLATES:						
		Inflates with helium, nitrogen or air compressor	Inflates w/ air, NO compressor required	1 latex balloon at a time	2 latex balloons to the same size, simultaneously	2 latex balloons to different sizes, simultaneously	Foils	Accessories available
	Duplicator 2	✓		✓			✓	✓
	The Cube Inflator	✓			✓			✓
	Dual Sizer	✓		✓	✓	✓	✓	✓
	Precision Air		✓	✓	✓	✓		

## Air Inflators

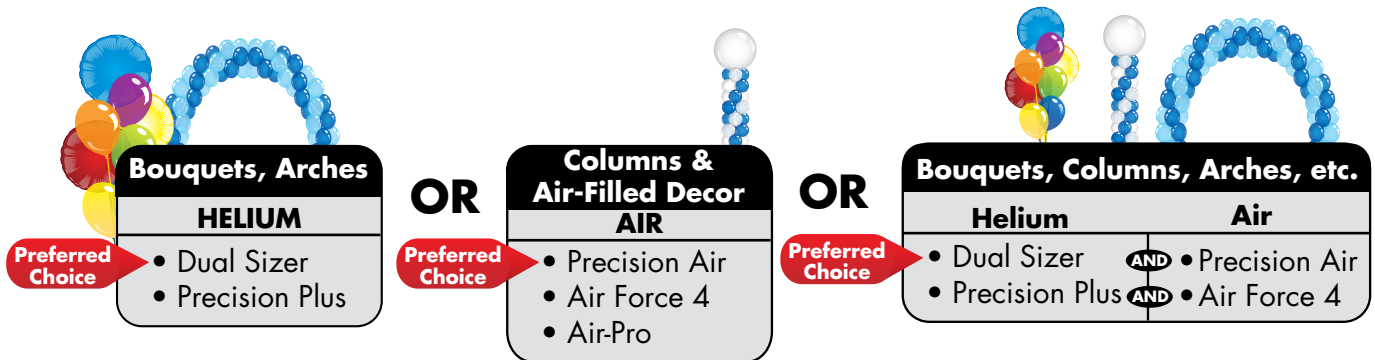
NO Compressor Required

		Automatically sizes 2 latex balloons	Inflates 260s	Inflates 350s and larger	Inflates Foils	Inflates 5"-16" Latex	Inflates 24" and larger latex	Accessories Available
	Precision Air	✓		✓		✓		
	Air Force 4		✓	✓	✓	✓	✓	✓ Insider Tool
	Air Pro		✓	✓	✓	✓	✓	

# 3 Questions to Determine the Right Decorator Tools

**Question 1** What type of balloon designs do you plan on creating?

## RECOMMENDATION



**Question 2** How do you plan on securing your cylinders?

## RECOMMENDATION



**Question 3** Have you thought about accessories to make you & your staff more efficient?

## RECOMMENDATION

- 8-Spool Ribbon Dispenser
- Work Belt (apron)
- Archline
- Archline Dispenser Pack
- Quick Cutters
- Scissor Keepers
- Grip Strips




# 4 Questions to Determine the Right Retail Essentials

## Question 1

What type of balloon designs do you plan on creating?

**RECOMMENDATION**




**Bouquets Only**

**Helium Only**

- Duplicator 2
- Workstation
- Precision Plus

Preferred Choice

**OR**



**Bouquets, Columns, Arches, etc.**

Helium	Air
• Dual Sizer	• w/ Nitrogen gas
• Workstation	• Air Force 4
• Precision Plus	• Air Force 4/ Air Pro

Preferred Choice

## Question 2

How do you plan on securing your cylinders?

**RECOMMENDATION**

Preferred Choice

**Visible to Customers**

- Cylinder Safety Stand
- Wall Bracket

**OR**

Preferred Choice

**Hidden from Customers**

- Remote Helium Set-Up
- Cylinder Safety Stand
- Wall Bracket

## Question 3

Have you thought about accessories to make your balloon center more appealing and efficient?

### RECOMMENDATION

- Cylinder Cover
- 3 Pocket Balloon Caddy
- 8-Spool Ribbon Dispenser
- Designer Work Belt

## Question 4

May I offer a few merchandising solutions?

### RECOMMENDATION

- Grip Strips
- Grib Tabs
- Balloon Tying Discs



Basic Inflators

# Economy Inflator®

## Recommended for:

- Rentals

## Includes:

- 1 Latex Outlet (Flex-Tilt Valve Only)
- 2 Hand-Tight Connection  
Flo-Loc Safety Feature (see below)

## Benefits:

- Economical inflator

## How it Works:



## Manually Inflates

**Latex, Foils & Qualatex Bubbles®**

- Operates by tilting valve in any direction

## Also available with Gauge

in North & South  
America only.



## Suggested Upsell:

- Classic Inflator Pg. 10
- Precision Plus Pg. 12



**CONWIN**  
**EXCLUSIVE**  
**SAFETY FEATURE**

This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.



Specialty Inflators

# Economy Inflator® w/ 10ft Ext. Hose



## Recommended for:

- Decorators
- Retail Shops & Florists

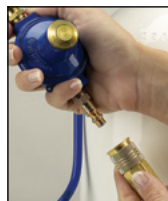
## Includes:

- 1 Quick Disconnect Fitting for Snap-On Outlets
- 2 10ft Extension Hose  
Flo-Loc Safety Feature (see below)

## Benefits:

- Work up to 10ft away from cylinder.
- Versatile Inflator
- Allows you to meet the need of any job
- Great for re-inflating bouquet displays

## How it Works:



**Interchangeable Snap-On Outlets** allow you to easily switch from one outlet to the next.



## Suggested Upsell:

- Snap-On Outlets [Pg. 16](#)



This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.



Basic Inflators

# Classic Inflator®



## Recommended for:

- Rentals

## Includes:

- 1 Latex Outlet (see options below)
- 2 Ribbon Cutter
- 3 Disc-Tyer Post
- 4 Pressure Gauge
- 5 Hand-Tight Connection  
Flo-Loc Safety Feature (see below)

## Benefits:

- Economical inflator with a variety of options to choose from.

## How it Works:



**Manually Inflates**  
**Latex, Foils & Qualatex**  
**Bubbles®**

(See “Latex Outlet Options” below)

**Also available**  
**without Gauge**



## Suggested Upsell:

- Precision Plus [Pg. 12](#)
- Workstation Inflator [Pg. 17](#)

## Latex Outlet Options:

All models allow you to control the speed of inflation.

Operates by:

## Manually Inflates:

Entertainers  
(260+)

5" Latex

9" Latex &  
Larger

Valved  
Latex

Foils

Bubbles®



**Flex-Tilt  
Valve**

Tilt valve in  
any direction  
to inflate  
balloons



**Soft-Touch  
Push Valve**

Push valve  
down to inflate  
balloons



\* Auto-Foil Outlet (like on a Precision Plus [Pg. 12](#)) is recommended to prevent over-inflation and poppage.



This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.





Basic Inflators

# 60/40 Helium/Air Inflator

See the helium savings calculator @ [ConwinOnline.com](http://ConwinOnline.com)

## Recommended for:

- Decorators
- Retail Shops & Florists

## Includes:

- 1 60/40 Latex Outlet
- 2 Ribbon Cutter
- 3 Disc-Tyer Post
- 4 Pressure Gauge
- 5 Hand-Tight Connection  
Flo-Loc Safety Feature (see below)

## Benefits:

- Saves you 40% on Helium costs
- Allows you to inflate 40% more balloons from any cylinder

## How it Works:



## Suggested Upsell:

- Precision Plus Inflator with 60/40 Push Valve [Pg. 11](#)

## Latex Float Times with 60/40 Mix

11" Balloons	8-12 Hours
11" w/ Ultra Hi-Float	3-10 Days
16" Balloons	30+ Hours
24" Balloons	2-4 Days
3ft. Balloons	3-5 Days

Float times may vary due to altitude, environmental conditions, purity of helium and proper balloon sizing.

## Manually Inflates

### Latex Balloons with 40% Air!

- Operates by pushing outlet down
- Helium passes upward through the filling outlet, drawing in air through the air intake ports on either side of the outlet.
- Not recommended for foils or Bubbles® balloons.
- Outlet also inflates latex with 100% helium when the air intake ports are covered.



This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.



Basic Inflators

# Precision Plus Inflator®



## Suggested Upsell:

- Bubble Inflator [Pg. 14](#)
- Duplicator 2 Inflator [Pg. 23](#)

## Recommended for:

- Decorators
- Retail Shops & Florists
- Rentals

## Includes:

- 1 Latex Outlet (see options below)
- 2 Ribbon Cutter
- 3 Disc-Tyer Post
- 4 Pressure Gauge
- 5 Hand-Tight Connection
- 6 Auto-Fill Foil Outlet  
Flo-Loc Safety Feature (see below)

## Benefits:

- Eliminates costly foil balloon breakage
- Inflates latex, Qualatex Bubbles® and foil balloons

## How it Works:



### Manually Inflates Latex Balloons

(See "Latex Outlet Options" below)






### Automatically inflates Foil

Auto-Fill Foil Outlet automatically fills foils to the correct pressure and size. Never pop a foil balloon again!

## Latex Outlet Options:

## Manually Inflates:

All models allow you to control the speed of inflation.

	Operates by:	Entertainers (260+)	5" Latex	9" Latex & Larger	Valved Latex	Latex w/ 60/40 Mix
 <b>Flex-Tilt Valve</b>	Tilt valve in any direction to inflate balloons			✓	✓	
 <b>Soft-Touch Push Valve</b>	Push valve down to inflate balloons	✓	✓	✓	✓	
 <b>60/40 Push Valve</b> Float Times & How it Works <a href="#">Pg. XX</a>	Push valve down to inflate balloons			✓		✓



This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.



Basic Inflators

# Precision Plus Quick-Change Inflator®



## Recommended for:

- Decorators
- Retail Shops & Florists
- Rentals

## Includes:

- 1 Quick Disconnect Fitting for Snap-On Outlets (see options below)
  - 2 Ribbon Cutter
  - 3 Disc-Tyer Post
  - 4 Pressure Gauge
  - 5 Hand-Tight Connection
  - 6 Auto-Fill Foil Outlet
- Flo-Loc Safety Feature (see below)

## Benefits:

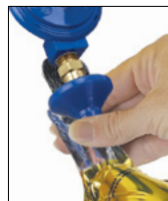
- Eliminates costly foil balloon breakage
- Inflates latex, Qualatex Bubbles® and foil balloons

## How it Works:



### Interchangeable

**Snap-On Outlets** allow you to easily switch from one outlet to the next.



### Automatically inflates

#### Foils

Auto-Fill Foil Outlet automatically fills foils to the correct pressure and size. Never pop a foil balloon again!



## Suggested Upsell:

- Snap-On Outlets [Pg. 16](#)



**Snap-On Outlet Info - Page 16**



This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.



Specialty Inflators

# Bubble Inflator®



## Suggested Upsell:

- 10ft Extension Hose Inflator [Pg. 15](#)  
w/ Snap-On Bubble & Auto Foil Outlet [Pg. 16](#)
- Duplicator 2 [Pg. 23](#)

## Recommended for:

- Decorators
- Retail Shops & Florists
- Rentals

## Includes:

- 1 Latex Outlet (see options below)
  - 2 Ribbon Cutter
  - 3 Disc-Tier Post
  - 4 Pressure Gauge
  - 5 Hand-Tight Connection
  - 6 Bubble Button
  - 7 Auto-Fill Foil Outlet
- Flo-Loc Safety Feature (see below)

## Benefits:

- Eliminates costly foil and Bubbles™ balloon breakage
- Inflates latex, Qualatex Bubbles™ and foil balloons

## How it Works:



### Manually Inflates Latex Balloons

(See "Latex Outlet Options" below)



### Automatically inflates Foil

Auto-Fill Foil Outlet automatically fills foils to the correct pressure and size. Never pop a foil balloon again!






### Automatically inflates Qualatex Bubbles™

Bubble Button allows you inflate Qualatex Bubbles™ to "wrinkle-free" seams.

## Latex Outlet Options:

All models allow you to control the speed of inflation.

## Manually Inflates:

	Operates by:	Entertainers (260+)	5" Latex	9" Latex & Larger	Valved Latex	Latex w/ 60/40 Mix
 <b>Flex-Tilt Valve</b>	Tilt valve in any direction to inflate balloons			✓	✓	
 <b>Soft-Touch Push Valve</b>	Push valve down to inflate balloons	✓	✓	✓	✓	
 <b>60/40 Push Valve</b> Float Times & How it Works <a href="#">Pg. 11</a>	Push valve down to inflate balloons			✓		✓





Specialty Inflators

# 10ft Extension Hose Inflator®



## Recommended for:

- Decorators
- Retail Shops & Florists

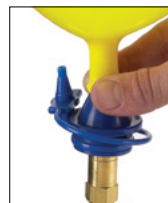
## Includes:

- 1 Latex Outlet (Soft-Touch Push Valve only)
- 2 Ribbon Cutter
- 3 Disc-Tyer Post
- 4 Pressure Gauge
- 5 Hand-Tight Connection
- 6 10ft Extension Hose
- 7 Quick Disconnect Fitting for Snap-On Outlets  
Flo-Loc Safety Feature (see below)

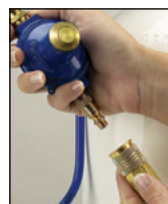
## Benefits:

- Work up to 10ft away from cylinder.
- Allows 2 users to inflate balloons at the same time.
- Versatile Inflator
- Allows you to meet the need of any job
- Great for re-inflating bouquet displays

## How it Works:



**Manually Inflates**  
**Latex Balloons**



**Interchangeable**  
**Snap-On Outlets** allow you to easily switch from one outlet to the next.



## Suggested Upsell:

- Snap-On Outlets [Pg. 16](#)

## Available in 2 Options:

- Option 1: Inflator Only
- Option 2: Inflator Combo - Includes:
- 10ft Ext. Hose Inflator
  - Bubble & Auto-Foil Outlet
  - 60/40 Helium/Air Outlet
  - Trigger Valve Outlet
  - Flex-Tilt Valve Outlet



**Snap-On Outlet Info - Page 16**



This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.



# Snap-On Outlets for 10ft Ext. Hose Inflators



## Snap-On Trigger Valve Outlet

- Allows you to speed inflate foils. Long tip bypasses foil valve.
- Blue cone on the inflation tip adjusts to seat the neck of any size latex balloon; ensuring gas does not escape while inflating.

Included in  
10ft Ext. Hose Combo

## Snap-On 60/40 Helium/Air Outlet

- Saves you up to 40% on Helium costs
- Allows you to inflate 40% more balloons from any cylinder
- Cover air intakes to inflate with 100% helium
- Easily snaps on to Conwin's 10ft Ext. Hose Inflators

### Latex Float Times with 60/40 Mix

11" Balloons	8-12 Hours
11" w/ Ultra Hi-Float	3-10 Days
16" Balloons	30+ Hours
24" Balloons	2-4 Days
3ft. Balloons	3-5 Days

Float times may vary due to altitude, environmental conditions, and proper balloon sizing.

Included in  
10ft Ext. Hose Combo

## Snap-On Bubble & Auto Foil Outlet

- Automatically Inflates Qualatex Bubbles™, Double Bubbles™ & Deco Bubbles™ to "Wrinkle-Free seams"
- Automatically inflates all size foils to the correct pressure and size
- Easily snaps on to Conwin's 10ft Ext. Hose Inflators

Included in  
10ft Ext. Hose Combo

## Snap-On Auto-Fill Foil Outlet

- Automatically inflates all size foils to the correct pressure and size
- Easily snaps on to Conwin's 10ft Ext. Hose Inflators

## Snap-On Flex-Tilt Valve Outlet

- Manually inflates latex and foil balloons
- Great for use with Hi-Float
- Easily snaps on to Conwin's 10ft Ext. Hose Inflators

Included in  
10ft Ext. Hose Combo

## Snap-On Soft-Touch Push Valve Outlet

- Manually inflates valved latex balloons
- Includes Extension Tip to inflate 5" and Entertainer Balloons
- Easily snaps on to Conwin's 10ft Ext. Hose Inflators



Specialty Inflators

# Workstation Inflator®

## Recommended for:

- Retail Shops & Florists

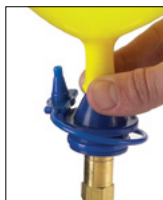
## Includes:

- 1 Auto-Fill Foil Outlet
  - 2 Latex Outlet (see options below)
  - 3 Ribbon Cutter
  - 4 Pressure Gauge
  - 5 Disc-Tyer Post
  - 6 Hand-Tight Connection
  - 7 6ft Supply Hose
- Flo-Loc Safety Feature (see below)

## Benefits:

- Compact inflator
- Sits on counter for easy access
- Foil outlet eliminates costly foil balloon breakage
- Manually inflates latex and Qualatex Bubbles™
- Creates a professional workstation
- Work up to 6ft away from the cylinder

## How it Works:



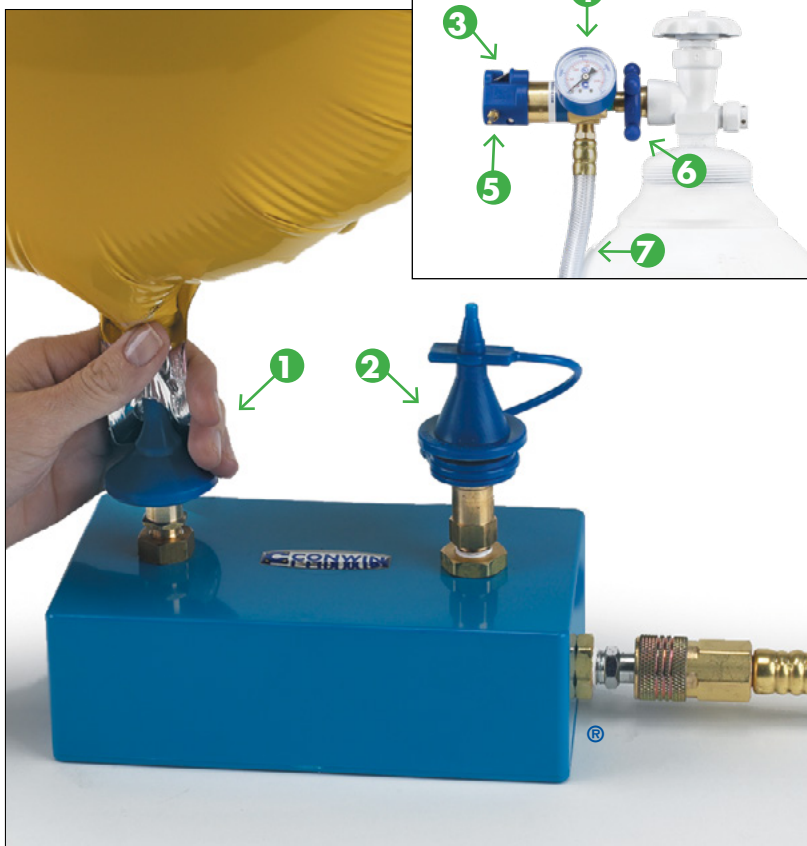
### Manually Inflates Latex Balloons

(See "Latex Outlet Options" below)



### Automatically inflates Foil

Auto-Fill Foil Outlet automatically fills foils to the correct pressure and size. Never pop a foil balloon again!





## Suggested Upsell:

- Duplicator 2 Pg. 23

## Latex Outlet Options:

Both models allow you to control the speed of inflation.

## Manually Inflates:

	Operates by:	Entertainers (260+)	5" & 9" Latex	11" Latex & Larger	Valved Latex	Latex w/ 60/40 Mix
 <b>Soft-Touch Push Valve</b>	Push valve down to inflate balloons	✓	✓	✓	✓	
 <b>60/40 Push Valve</b> Float Times & How it Works Pg. 11	Push valve down to inflate balloons			✓		✓



This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.



Specialty Inflators

# Speed Inflators®



## Recommended for:

- Decorators
- Rentals

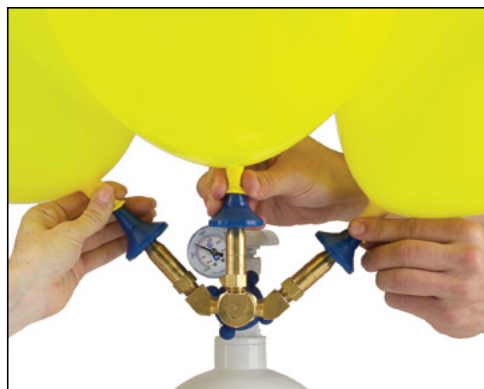
## Includes:

- 1 High Speed Latex Outlets (2 or 3 outlets available)
  - 2 Pressure Gauge
  - 3 Hand-Tight Connection
- Flo-Loc Safety Feature (see below)

## Benefits:

- Allows for mass inflation of helium or nitrogen filled balloons
- Allows multiple workers to inflate at the same time
- Great for balloon releases
- Latex Outlets are designed to inflate at high speed to quickly fill balloons

## How it Works:



## Manually inflates

Latex, Foils & Qualatex Bubbles® Balloons



## Suggested Upsell:

- Dual Split-Second Sizer Pg. 25

## Inflator Options:



Single Speed Inflator



Dual Speed Inflator



Triple Speed Inflator

## All Inflators:

- Operate by pushing outlets down
- Manually inflates 9" latex balloons and larger



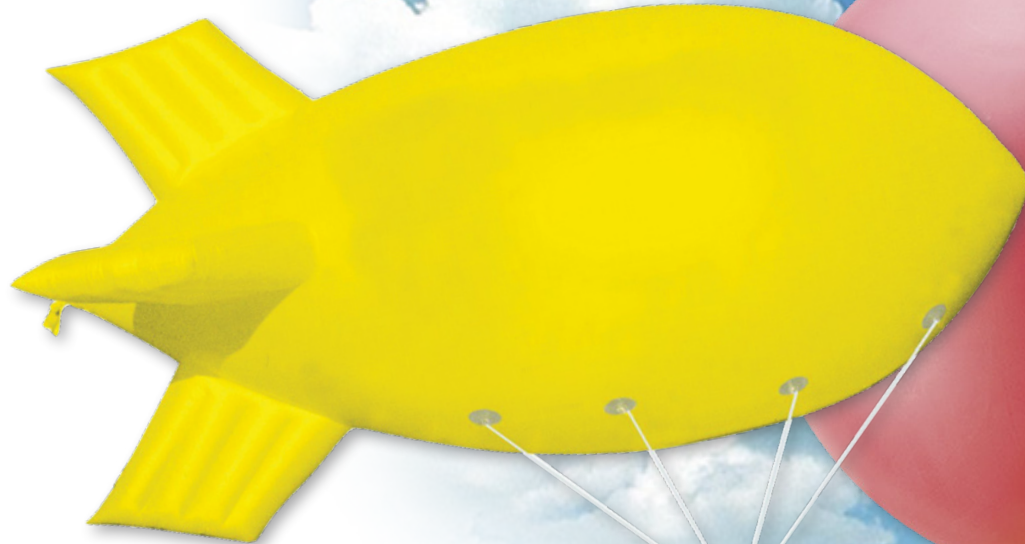
This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.





Specialty Inflators

# Blimp Inflator®



## Recommended for:

- Ad Specialities

## Includes:

- 1 Hand-Tight Connection
  - 2 24" Filling Hose
- Flo-Loc Safety Feature (see below)

## Benefits:

- Inflates Giant Floating Vinyl Helium Inflatable's and Cloudbuster Chloroprene Balloons fast.



## How it Works:

Speed of inflation is controlled by opening/ closing cylinder valve.



This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.



Air Inflators

## Air Pro Inflator®



### Recommended for:

- Decorators
- Retail Shops & Florists

### Includes:

- 1 Latex Outlet
- 2 Extension Tip
- 3 Carrying Handle
- 4 8ft Powercord

### Benefits:

- Economical air inflator for creating columns and other air-filled decor
- One removable Extension Tip for inflating small balloons and foils, compared to four tips on competitor inflators
- Powerful motor enables you to inflate 260s
- No cylinders or air compressors required



### Suggested Upsell:

- Air Force 4 Pg. 21

### How it Works:

#### Manually inflates:



Large Latex Balloons



5" Balloons



Entertainer Balloons



Foil Balloons



Air Inflators

# Air Force 4 Inflator®



## Recommended for:

- Decorators

## Includes:

- 1 3 Extension Tips
- 2 4 Friction-Fit Outlets
- 3 Carrying Handle
- 4 Continual "On" Mode Switch
- 5 8ft Powercord
- 6 Large Balloon Inflation Hose
- 7 Foot Pedal (Detachable)

## Benefits:

- Inflate up to 4 balloons at the same time
- Light weight and easy to transport
- Begin inflating by pressing foot pedal or set to continual "ON" mode.
- No cylinders or air compressors required
- Speed inflate foils with an Insider Balloon Stuffing Tool for Air Force 4 [Pg. 27](#)

## Great for:

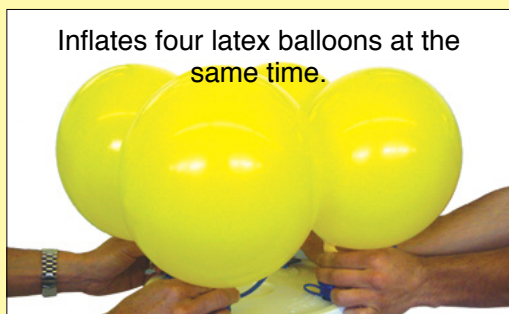
- Balloon Drops
- Columns
- Other Air-Filled Decor



## Suggested Upsells:

- Insider Balloon Stuffing Tool for Air Force 4 [Pg. 27](#)
- Precision Air [Pg. 22](#)

## How it Works:



5" Balloons



Entertainer  
Balloons



## Large Balloon Inflation Hose

- Inflates 16" and larger balloons in 1/3 the time, compared to using a regular outlet with 1/4" opening.





Digital Inflators

# Precision Air v6 Inflator®

## Recommended for:

- Decorators

## Includes:

- 1 2 Extension Tips
- 2 2 Friction-Fit Outlets
- 3 Carrying Handle
- 4 8ft Powercord (Detachable)
- 5 Digital Control Panel w/ Built-In Counter
- 6 Foot Pedal (Detachable)
- 7 Carrying Case
- 8 Double Bubble Outlet

## Benefits:

- Inflate one balloon at a time.
- Inflate two balloons to different sizes simultaneously
- Inflate two balloons to the same size simultaneously
- Inflate all size round latex balloons and entertainer balloons
- Inflate double bubble balloons
- Saves on set-up time and labor costs
- No cylinders, templates or air compressors required
- Adjustable Cycle Counter tracks the number of duplets inflated
- Foot Pedal controlled
- Auto Inflate Cycle

## Great for:

- Columns
- Air-Filled Arches
- Other Air-Filled Decor

Size Setting  
Chart on  
Pg. 37



## How it Works:

Set the Digital Control Panel to the size of balloon you want and tap foot pedal to inflate.



Size settings are included in instruction sheets.

## (Digital Control Panel) Automatically Inflates Latex:



**One balloon at a time.**

For bouquets



**Two balloons to different sizes.**

For special decor & use with Double Bubble Outlet



**Two balloons to the same size.**

For arches, columns & swags





Digital Inflators

# Duplicator 2 Inflator®

## Recommended for:

- Retail Shops & Florists
- Decorators

## Includes:

- 1 Extension Tip
  - 1 Latex Outlet
  - 3 Digital Control Panel with Inflation Button
  - 4 Auto-Fill Foil Outlet
  - 5 Foot Pedal (Detachable)
  - 6 8ft Powercord
  - 7 Primary Regulator (Ribbon Cutter, Pressure Gauge, Disc-Tyer Post, Hand-Tight Connection, 6ft Supply Hose)
- Flo-Loc Safety Feature (see below)

## Benefits:

- Inflates the same size latex balloon, everytime!
- Automatically inflates all size foils
- Saves on set-up time and labor costs
- No templates required
- Great for balloon bouquets
- Add-on accessories available [Pg. 25](#)

## Gases Inflator Works with:

- Helium
- Nitrogen
- Air from Air Compressor

**Size Setting  
Charts on  
Pg. 36 & 37**



## Suggested Upsells:

- Dual Split-Second Sizer [Pg. 25](#)
- Digital Accessories [Pg. 26](#)

## How it Works:

Set the Digital Control Panel to the size of balloon you want and tap foot pedal to inflate.



Size settings are included in instruction sheets.

## Automatically Inflates:



**Latex Balloons**



**Foil Balloons**

## Begin Inflating:



**Inflation Button**

**OR**



**Foot Pedal**



This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.



Digital Inflators

# The Cube Inflator®



## Recommended for:

- Decorators

## Includes:

- 1 2 Extension Tip
- 2 2 Latex Outlet
- 3 Digital Control Panel with Inflation Button
- 4 Foot Pedal (Detachable)
- 5 8ft Powercord
- 6 Primary Regulator (Soft-Touch Push Valve, Ribbon Cutter, Pressure Gauge, Disc-Tyer Post, Hand-Tight Connection, 6ft Supply Hose)
- 7 Flo-Loc Safety Feature (see below)

## Benefits:

- Inflates the same size latex balloon, everytime!
- Automatically inflates all size foils
- Saves on set-up time and labor costs
- No templates required
- Great for inflating arches, columns and swags
- Add-on accessories available [Pg. 26](#)

## Gases Inflator Works with:

- Helium
- Nitrogen
- Air from Air Compressor



## Suggested Upsells:

- Dual Split-Second Sizer [Pg. 25](#)
- Digital Accessories [Pg. 26](#)



## How it Works:

Set the Digital Control Panel to the size of balloon you want and tap foot pedal to inflate.



Size settings are included in instruction sheets.

## Automatically Inflates:



**Two balloons to the same size.**  
For arches, columns & swags

Size Setting  
Charts on  
[Pg. 36 & 37](#)



This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.



Digital Inflators

# Dual Split-Second Sizer Inflator®



## Includes:

- 1 2 Extension Tips
- 2 2 Latex Outlets
- 3 Digital Control Panel
- 4 8ft Powercord
- 5 Soft Touch Push Valve
- 6 Auto-Fill Foil Outlet
- 7 Foot Pedal (Detachable)
- 8 Carrying Case
- 9 Double Bubble Outlet
- 10 Primary Regulator (Ribbon Cutter, Pressure Gauge, Disc-Tyer Post, Hand-Tight Connection, 6ft Supply Hose)

## Recommended for:

- Decorators

Flo-Loc Safety Feature (see below)

## Benefits:

- Inflates 2 latex balloons to the same size
- Inflates 2 different sized latex balloons
- Inflates 1 latex balloon to the same size
- Automatically inflates all sizes of foils
- Saves on set-up time and labor costs
- No templates required
- Add-on accessories available [Pg. 26](#)

## Gases Inflator Works with:

- Helium
- Nitrogen
- Air from Air Compressor

**Size Setting  
Charts on  
Pg. 36 & 37**



## Suggested Upsell:

- Digital Accessories [Pg. 26](#)

## How it Works:

Set the Digital Control Panel to the size of balloon you want and tap foot pedal to inflate.



Size settings are included in instruction sheets.

## (Digital Control Panel) Automatically Inflates Latex:



**One balloon at a time.**  
For bouquets & use with Digital Accessories



**Two balloons to different sizes.**  
For special decor & use with Double Bubble Outlet



**Two balloons to the same size.**  
For arches, columns & swags

## (Back of Inflator)



Automatically Inflates Foils



Manually Inflates Qualatex Bubbles®



This Conwin exclusive safety feature automatically activates if the inflator is damaged while under pressure, reducing the flow of helium to a safe level.





## Helium/ Nitrogen Quick Switch

- Switch from helium to nitrogen with the flip of a switch.
- Saves time from having to disconnect and reconnect primary regulators.
- Snaps-on to the back of inflator.
- Includes Primary Regulator and 6ft supply hose to connect to second cylinder.
- Works with air compressor too. (Air Compressor Hook-Up Hose required. See below.)



## 60/40 Helium / Air Outlet

- Saves you up to 40% on helium costs.
- Allows you to inflate 40% more balloons from any cylinder.
- Cover air intakes to inflate with 100% helium.
- Use two 60/40 Outlets on the Dual Sizer when inflating two balloons at the same time to save time!

### Latex Float Times with 60/40 Mix

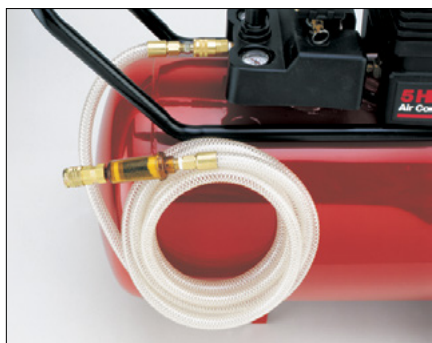
11" Balloons	8-12 Hours
11" w/ Ultra Hi-Float	3-10 Days
16" Balloons	30+ Hours
24" Balloons	2-4 Days
3ft. Balloons	3-5 Days

Float times may vary due to altitude, environmental conditions, and proper balloon sizing.



## Hi-Float® Outlet

- Prevents Hi-Float® from entering and clogging latex outlets and inflator
- Inflates balloons neck up
- Use two Hi-Float® Outlets on the Dual Sizer when inflating two balloons at the same time to save time.



## Air Compressor Hook-Up Hose

- Connects directly to air compressor and into the back of inflator
- Filter prevents dirt, moisture and rust from entering inflator.
- Includes 12ft Supply Hose



## Digital Inflator 10ft Extension Hose

- Allows flexibility to inflate different types of balloons, depending on outlet.
- Work up to 10ft away from the inflator
- Connects directly to the back of inflator
- Great for automatically inflating Qualatex Bubbles™ with Snap-On Bubble & Auto-Foil Outlet
- Snap-On Outlets sold separately. See [Pg. 16](#).





Special Effects

# Insider Balloon Stuffing Tools®

## Recommended for:

- Decorators
- Retail Shops & Florists

## Benefits:

- Allows you to easily stuff small balloons inside a large balloon
- Great for column toppers and bouquets
- 3 models available to fit your needs (see below)

## How it Works:



Place large balloon on holding tool and inflate from an air inflator.



Insert and inflate balloons inside larger balloon.



## Each Kit Includes:

- Inflation Tool (3 models to choose from, see below)
- Holding Tool
- Air Hose
- C-Clamp



## Suggested Upsell:

- Air Pro (Pg. 20) or Air Force 4 (Pg. 21)

**Note:** Requires an air inflator. See Air Pro (Pg. 20) or Air Force 4 (Pg. 21).

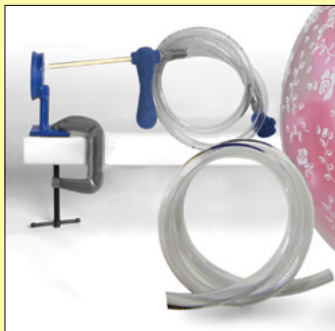
## 3 Models to Choose From:



### Insider Balloon Stuffing Tool Kit with 10ft Extension Hose Inflator



- For someone who only has a cylinder
- Manually sizes balloons
- Works with helium or nitrogen



### Insider Balloon Stuffing Tool Kit for Air Force 4 & Precision Air



- Works with white Air Force 4 (mnfg. in 2007 or later) and Precision Air (mnfg. in 2011 or later)
- Manually sizes balloons
- Works with air only



### Insider Balloon Stuffing Tool Kit for Dual Sizer & Duplicator 2



- Works with digital models of the Dual Sizer and Duplicator 2.
- Automatically sizes balloons
- Works with helium, nitrogen or air from air compressor.



Special Effects

# Balloon Bulbs®

## Recommended for:

- Decorators

## Includes:

- 1 Balloon Bulb
- 2 Fluorescent Bulb
- 3 8ft Power Cord
- 4 Stretching Tool & C-Clamp (sold separately)

## Benefits:

- Creates an illuminating special effect
- Easy to use and easy to rig
- Great for customers to upsell to their clients

## Great for:

- Column Toppers
- Chandeliers
- Dance Floors
- Marketing Tools (use a 3ft with custom logo print)



## Suggested Upsell:

- Air Pro (Pg. 20) or Air Force 4 (Pg. 21)
- Stretching Tool & C-Clamp

Note: Requires an air inflator. See Air Pro (Pg. 20) or Air Force 4 (Pg. 21).

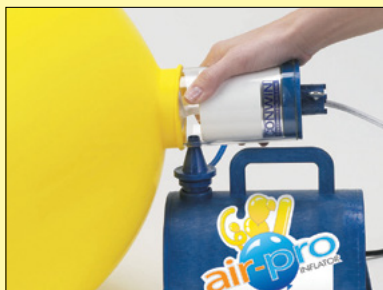
## How it Works:

Insert Bulb into balloon using Stretching Tool



(sold separately)

Inflate balloon through hole on side of Bulb.



Roll the neck of the balloon over the hole to seal the air in.

Rig Bulb from bottom port.



On conduit pole for column toppers

Upside to hang as chandeliers





Special Effects

# LED Spectrum Balloon Bulb®



## Recommended for:

- Decorators

## Includes:

- 1 Balloon Bulb
- 2 LED Light
- 3 Remote Control to easily switch colors
- 4 Stretching Tool & C-Clamp (sold separately)

## Benefits:

- Choose from 13 colors to illuminate balloons with hand held remote control
- Fade and jump between colors
- Increase or decrease brightness
- Cordless (battery operated)
- Easy to use and easy to rig
- Great for customers to upsell to their clients

## Great for:

- Column Toppers
- Chandeliers
- Dance Floors
- Marketing Tools (use a 3ft with custom logo print)



## Suggested Upsell:

- Air Pro (Pg. 20) or Air Force 4 (Pg. 21)
- Stretching Tool & C-Clamp

Note: Requires an air inflator. See Air Pro (Pg. 20) or Air Force 4 (Pg. 21).

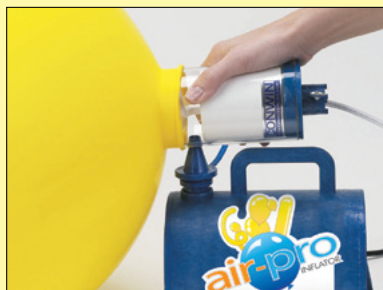
## How it Works:

Insert Bulb into balloon using Stretching Tool



(sold separately)

Inflate balloon through hole on side of Bulb.



Roll the neck of the balloon over the hole to seal the air in.

Rig Bulb from bottom port.



On conduit pole for column toppers

Upside to hang as chandeliers







## Regular Adhesive Grip Tabs

- Adheres to any clean surface
- Anchor points for balloon bouquets in centerpieces & deliveries
- 108 in pack
- Holds up to 20 - 11" balloons
- Holds up to 1 - 3ft balloons



## Grip Strips

- Holds 7-14 balloons
- Holds balloons while making bouquets
- Adheres to any clean surface
- Great for point-of-purchase displays



## Archline

### Dacron

50 lbs. test (300 yds.)

\*Does not stretch in heat

### Monofilament

50 lbs. test (300 yds.)



## Balloon Tying Discs

- Attach ribbon and tie balloon in one easy motion
- Designed for latex balloons up to 16"
- Passes the USCPSC's 3-year-old choke test



## Archline Dispenser Pack

- Dispenses archline
- Makes it easy to control archline while creating arches
- Holds 2 archline spools
- Prevents line from free-spinning
- Clips on to belt



## 3-Pocket Balloon Caddy

- Holds balloons, weights, etc.
- Adjustable Velcro Belt
- Fits all size cylinders



## Cylinder Cover

- Fits large cylinders
- Drawstring top
- Machine washable
- Hides dirty or scratched cylinders.





## Designer Work Belt

- 12 easy-access pockets
- 2 Velcro straps holds tools or up to 2000 entertainer balloons
- Adjustable belt
- Reinforced stitching
- One size fits most



## 20 Spool Ribbon Dispenser

- Holds and dispenses up to 20 ribbon spools
- Free standing
- Compact
- Includes Quick Cutter to cut ribbon



## Scissor Keepers

- Keeps scissors within reach
- 24" retractable lead line
- Alligator clip clips onto belt
- Swivel clip rotates 360° for wide range of motion



## 8 Spool Ribbon Dispenser

- Holds and dispenses up to 8 ribbon spools
- Hangs on cylinder or mounts to wall
- Includes Quick Cutter to cut ribbon



## Clip-On Quick Cutter

- Concealed razor cuts ribbon, balloons, etc.
- Faster, safer & more convenient than scissors
- Clips onto belt
- Great for Twisters & Decorators



# Cylinder Safety Equipment



## Cylinder Wall Bracket

- Mounts to wall or flat surface
- Secures all size cylinders
- Adjustable Velcro Belt
- Economical solution
- Meets Cylinder Safety Law requirements



## Cylinder Safety Stand

- Flat Base Plate for greater stability
- Secures all size cylinders
- 2 Adjustable Velcro Belts
- Belts make it easy for switching out cylinders
- Meets Cylinder Safety Law requirements



## T-4-2 Adapter

- Enables two inflators to work off one cylinder
- Wrench-tight connection



## Transfill Manifold

- Transfers gas from small cylinder to a large one
- Hand-Tight connection

## Aluminum Cylinders

- Aluminum cylinders are 1/3 the weight of steel cylinders
- Available in multiple sizes
- Can be filled with Helium, Nitrogen or CO<sub>2</sub>
- Ideal for decorators, retail shops and for rental cylinders
- Contact Conwin for bulk purchase pricing

### Sizes Available:

#### **A 27-Cubic Foot Cylinder**

Inflates: 50-11" Balloons

#### **B 55-Cubic Foot Cylinder**

Inflates: 100-11" Balloons

#### **C 110-Cubic Foot Cylinder**

Inflates: 200-11" Balloons

#### **D 137-Cubic Foot Cylinder**

Inflates: 250-11" Balloons





# Remote Helium Set-Ups (RHS)

## Benefits:

- Cylinders are stored safely in backroom
- Enables two cylinders to be connected to inflator
- Easily switch to a full cylinder at the turn of a lever
- Prevents loss of helium when switching out empty cylinders
- Prevents staff from having to move cylinders around customers
- Creates a clean and professional appearance

## Recommended for:

- Retail Shops & Florists

### Front Counter Set-Up



or



Countertop Outlet Option

Under Counter Outlet Option

### Back Room Helium Supply



## Two Options Available:

### RHS Countertop Helium Outlet



- 1 Countertop Helium Outlet (Fits all balloon inflators)
- 2 Switch-Over Control Unit with 2 Cylinder Hook-ups
- 3 2 Cylinder Safety Wall Brackets
- 4 High Pressure Hose  
(25ft, 50ft, 75ft and custom hose lengths available)

### RHS Under Counter Helium Outlet



- 1 Under Counter Helium Outlet (Fits all balloon inflators)
- 2 Switch-Over Control Unit with 2 Cylinder Hook-ups
- 3 2 Cylinder Safety Wall Brackets
- 4 High Pressure Hose  
(25ft, 50ft, 75ft and custom hose lengths available)





# Replacement Parts



## Soft-Touch Push Valve

Item # 00001

Available for Conwin inflators manufactured in Dec. of 2004 and later.



## Ribbon Cutter

Item # 00004

Available for all Conwin inflators manufactured in Sept. of 2005 and later.



## Sound Reduction Latex Outlets

Item # 10391

For use with digital models of the Dual Sizer, Duplicator 2 & Cube Inflator



## Flex-Tilt Valve

Item # 00002

Available for all models of Conwin inflators manufactured in Dec. of 2004 and later.



## Extension Tips (6pk)

Item # 00031

Available for all Conwin inflators.



## Latex Inflation Outlets - Past Model

Item # 00029

For Duplicator 2, Dual Sizer, Precision Air (prior to 2011), and blue Air Force 4.



## 60/40 Push Valve

Item # 00016

Compatible with any Conwin Inflator with a pre-existing 60/40 Outlet.



## O-Ring (6pk)

Item # 00013

Available for all Conwin inflators.



## Friction Fit Outlets

Item # 00032

For use with Precision Air (2011 and later) and white Air Force 4.



## Foil Push Valve

Item # 00003

Compatible with any Conwin Inflator with a pre-existing Auto-Fill Foil Outlet.



## Foot Pedal

Item # 00024

For Duplicator 2, Dual Sizer, Precision Air, and Cube Inflator, and Air Force 4



## Nut & Nipple

Contact your sales rep to identify the correct Nut & Nipple for your country.



## 10ft Extension Hose with Fitting

Item # 00019

Replacement part for Conwin's 10ft. Extension Hose.



## Foot Pedal

Item # 00023

For Older Model Duplicator 2, Dual Sizer, Precision Air, and Cube Inflators.



## Pressure Gauge

Item # 00005

Available for all Conwin inflators.



## 8ft Power Cord

Contact your sales rep to identify the correct Power Cord for your country.



## Disc Tyer Post (6pk)

Item # 35200

Available for all Conwin inflators.



## Primary Regulator with 6ft Supply Hose

Item # 00033

Connects to Dual Sizer, Duplicator 2, Cube Inflator & Workstation.



## Double Bubble Outlet

Item # 35320

For use with digital models of the Dual Sizer.



## Replacement Parts (cont.)



### **Air Filter for Air Compressor Hook-Hose**

Item # 00045

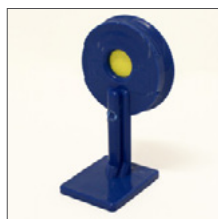
Compatible on Conwin's Air Compressor Hook-Up Hose.



### **Velcro® Strap**

Item # 36830

For Conwin's Cylinder Safety Stands.



### **Holding Tool**

Item # 36570

For all models of Insider Balloon Stuffing Tools.



### **Velcro® Strap with Buckle**

Item # 53541

For Conwin's Cylinder Wall Brackets & 3 Pocket Balloon Caddys.



### **Air Hose**

Item # 36590

For all models of Insider Balloon Stuffing Tools.



### **1 AMP Fuse**

Item # 00042

For Duplicator 2, Dual Sizer, and Cube Inflator.



### **Inflation Tool for Insider Stuffing Tool**

Item # 36590

For use with Dual Sizer and Duplicator 2.



### **15 AMP Fuse**

Item # 00043

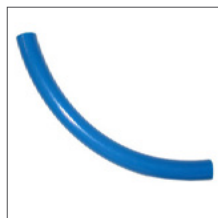
For Air Force 4 & Precision Air.



### **Inflation Tool for Insider Stuffing Tool**

Item # 00047

For use with Air Force 4 (white model) and Precision Air (2011 & later)



### **Large Balloon Inflation Hose**

Item # 10170

For use with Air Force 4 (white model).



### **Stretching Tool & C-Clamp for Balloon Bulbs**

Item # 36630



# 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

Cube Inflator w/ 60/40 Outlets Size Setting Chart   70 PSI	
Balloon Size	Helium
11"	1.7 Seconds
16"	4.5 Seconds
24"	N/A
36"	N/A

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.



# 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

Cube Inflator Size Setting Chart   70 PSI			
Balloon Size	Helium	Nitrogen	Air Compressor
5"	0.1	0.3 Seconds	0.4 Seconds
9"	0.6 Seconds	1.6 Seconds	2.5 Seconds
11"	1.0 Seconds	2.9 Seconds	4.6 Seconds
16"	3.2 Seconds	8.3 Seconds	8.6 Seconds

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

## TIPS for Dual Sizer, Duplicator 2 & Cube Inflator

**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.

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