1. Layout of the Path of the Airline

There are several ways to run the line. Here are some sample layouts to help you get started. For best results, use graph paper to layout the job to scale. When running the line, make sure that it is free of kinks or sharp bends and follows only smooth curves.

Single Line of Exploding Balloons

Two Lines of Exploding Balloon in Different Directions

Exploding Balloon Wall

Deluxe Exploder Kit

Cylinder Filling Instructions

- Hand tight connect the regulator end of the transfill hose to a helium or nitrogen cylinder.
- Hand tight connect the other end to the small cylinder.
- Open both valves, allowing the gas to automatically transfer between cylinders.
- Close both cylinders and open the bleed valve to release the gas remaining in the transfill hose.
- Hand tight connect the Exploder Regulator to the small cylinder.
2. Connecting the Air Lines

Each exploding balloon requires a Continual Exploder and an Elbow-End Exploder. Cut the air line with scissors at each interval where an exploding balloon is required. Then, join the air line following the directions for the type of connector you are using.

Quick-Fit Connectors
Press the end of the air line into the Quick-Fit Connector until it reaches the back of the fitting, approximately 1/2 inch. Pull on the air line to insure that the Quick-Fit Connector properly grips the line. To remove the air line from the Quick-Fit Connector, press and hold the center grip ring down on the connector and the air line will easily release from the fitting.

Standard Fittings
Cut the air line with scissors at each interval where an exploding balloon is required. Join the air line with a Connecting Tee or Cross fitting to rig the proper path for the exploding balloon. Push the air line onto the fitting until the hose touches the center.

3. Pressurizing the System
Hand tight connect the Exploder Regulator to any size helium or nitrogen cylinder. (Important: The cylinder must have a minimum pressure of 500 PSI to explode the balloons).

4. Connect The Air Supply
Press the air line onto the hose barb fitting on the detonator box until the line is touching the box.

5. Connect the Detonator Box
Attach the supply hose to the Detonator Box by pressing the quick-disconnect fittings together.

6. Testing The Exploders
Test each exploder prior to taping the exploders to the balloon. First, open the cylinder valve and verify there is at least 500 PSI in the cylinder. Next, hold the exploder with the smooth surface facing upward. Press and hold down the detonator button. The exploder pin will pop out of the exploder when the button is depressed and will spring back into the unit when the button is released. This test insures the exploder is operating properly and the system is ready to install. If the pin remains in the out position, lightly press the pin on a hard surface to reset the unit. When using 20 or more exploders, tape 5-inch balloons to each exploder to test that system is working properly. When the detonator button is pressed, all the test balloons should pop. If not, confirm that the airline is properly attached to all fittings and retest the system.
7. Taping The Exploders To the Balloon

Position the exploder near the midsection of a fully inflated balloon. Use clear packing tape to attach each side of the exploder to the balloon. Important: Leave approximately 1/2" of space between the tape and the center upright point of the exploder. This allows the air to escape and pop the balloon when the exploder is detonated. After the exploder(s) have been taped to the balloon, use Dacron Archline to suspend the balloon from the ceiling. Tape the air line to the Dacron Archline. Make sure the weight of the balloon is supported by the archline and not by the air line.

8. Exploding The Balloon(s)

1. Fully open the cylinder valve and verify there is a minimum of 500 PSI in the cylinder.

2. Continually hold down the detonator button on the Detonator Box until all of the balloons have exploded.

Air Line Rigging Tip

If you’re working in a room with a track drop ceiling, Conwin’s adhesive Grip-Tabs are ideal for rigging the air line. First, cut the Grip Tabs from the adhesive side to the center hole. Slide the air line through the cut to the center of the tab. Remove paper backing from the adhesive surface and press the tab to the ceiling track.

For More Exploding Balloon Projects, See Crystal’s Quick Tips at ConwinOnline.com

Reusing The System

1. After each use, carefully remove the balloon exploders and connecting fittings from the air line by pulling the line while twisting the exploder or fitting in a counterclockwise motion. Inspect each exploder and fitting to insure it was not damaged on the job.

2. Cut off approximately 1" of the air line at each place where it was attached to a fitting or exploder. This will insure a proper connection when the air line is reused and attached to fitting or exploder.

3. Retest the exploders after each use to insure they are operating properly. This will allow enough time to order more exploders if necessary, well in advance of your next job.
Exploder Components and Accessories (All Items Sold Separately)

**Exploder Regulator**
The Exploder Regulator features a hand-tight cylinder connection, a pressure gauge, and an 8' supply hose with a quick-disconnect fitting that attaches to the Exploder Detonator Box. The Exploder Regulator attaches to a helium or nitrogen cylinder. (Important: A minimum cylinder pressure of 500 PSI is required to properly detonate the exploding balloons.)

Conwin #85700

**Exploder Detonator Box**
The Exploder Detonator Box features a quick-disconnect fitting for the inlet gas supply line and a dual outlet port for the air lines. By pressing the button the gas is released through the system detonating the exploding balloons. (Note: The Exploder Regulator is sold separately.)

Conwin #37120

**Exploder Air Line**
The Exploder Air Line attaches to the exploders and connecting fittings without the use of tape and can be easily cut to any length.

100-Foot Spool
Conwin #37180

400-Foot Spool (not shown)
Conwin #37190

**Connecting Tee, Cross & Splice**
The Connecting Tees join the air line and are used at each interval where an exploding balloon is desired. The Connecting Cross can be used with the Connecting Tees to join the air line and rig the exploding balloons. Splices connect two pieces of air line together.

Quick-Fit Connecting Tee (6-pack) #37210
Quick-Fit Connecting Splice (6-pack) #37220
Connecting Tee (6-pack) #37150
Connecting Cross (6-pack) #37160
Connecting Splice (6-pack) #37170

**Balloon Explorer**
Continual-End Outlet Set

The Continual-End Exploders allow the air line to link several exploding balloons together. They are ideal for exploding balloon walls.

Continual-End
Pneumatic Balloon Explorer (6-pack)
Conwin #37130

**Balloon Explorer**
Elbow-End Outlet Set

The Elbow-End Exploders are used in conjunction with the Continual-End Exploders to cap the air line and explode the balloon.

Elbow-End
Pneumatic Balloon Explorer (6-pack)
Conwin #37140

**Dacron Archline**
Dacron Archline will not stretch and is easier to work with than fishing line when rigging exploding balloons. Available in 50# and 150# Test.

50# Test / 300-yd.
Conwin #32050

150# Test / 200-yd.
Conwin #32060

**The Insider**
Balloon Stuffing Tool

It’s the perfect tool to create balloon effects for use with Conwin’s Exploders! Just clamp it to any convenient table or workstation and use it to fill large balloons with the maximum number of small balloons.

Conwin #85900

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ConwinOnline.com
Our site features Conwin's complete line, balloon galleries, inspirational ideas, seasonal designs, step-by-step projects, and so much more. Visit www.ConwinOnline.com today!

Conwin’s Tools of the Trade Video
Learn more about the entire line of Conwin products from the popular Precision Air Inflator to the spectacular Confetti Cannon! You'll also see many award-winning productions by leading balloon artists! Visit ConwinOnline.com’s Education Center to see our complete line of videos.