

Duct Balloon Installation Instructions

1. Inspect the installation area to make sure that all interior surfaces that the balloon will make contact with are free from objects that might damage it, i. e. weld slag, protruding bolts, sharp edges, etc. Even though the fabric is very strong, any friction that is caused by the balloon moving up or down against these types of items may eventually cause rips or tears in the material.

2. Remove the balloon completely from the storage bag. Lay it down in an area approximately the same size to which it will fully inflate to familiarize the installer with the product. Completely unpack the balloon and inspect the grab handles and the D rings for wear.

3. If you will be using anchoring hardware inside the duct work, like pad eyes, weld eyelets, etc, install these prior to bringing the duct balloon inside of the duct. Most duct balloons can be maneuvered into place using the supplied grab handles during the inflation process. Only very large or very tall balloons will require hoisting into place prior to inflation. If this is required, the balloon has metal D rings sewn into the top corners for lifting it into position prior to inflating it. Nylon rope can be attached between any of the D rings and the installed pad eyes to help keep it in place. If the balloon is installed incorrectly, the remedy is to unplug the blower for a few seconds, maneuver the balloon into the desired position, and then re-energize the blower.

Do not use if any of the D rings have been ripped away from the balloon. Do not use it if there are any large tears in the material or if the stitching at the seams has come loose.



First remove the balloon from the storage bag



D Rings are supplied in the corners and some times around the perimeter edges of the balloon. These D rings can be used as lifting points to hoist the balloon into position before inflating it.

The D Rings can also be used as a tie down point inside the duct work to prevent movement.

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4. The inflation tube is made from the same material as the duct balloon (unless Flex-Duct was supplied) and expands to 8 inches in diameter at full inflation pressure. Precautions should be taken so that the inflation tube does not become pinched or kinked between the blower and the balloon. Care should also be taken that the inflation tube does not become a tripping hazard in the work area. The inflation tube is permanently attached to the balloon so it can't be moved on the balloon. The inflation tube is attached to the blower discharge using Velcro which is sewn on the inflation tube. Make sure to tighten the nylon strap. The blower may be located inside the duct work near the balloon, outside the duct work on grating, or in another building to protect it from the weather.

Care should be taken that the inlet screen of the blower doesn't become blinded with fly ash or other type of debris which will cause the blower to fail.



The inflation tube attaches to the blower as shown. Be sure to tighten the nylon strap to secure the inflation tube before activating the blower

5. This picture on the right is what the duct balloon will look like when it's fully inflated. The blower must remain ON at all times to keep the balloon fully inflated. The deflation zipper is located on the right side the red circle. Large balloons may have more than one deflation zipper. To deflate the balloon, first unplug the blower and remove the inflation tube from the blower discharge end by loosening nylon strap and the velcro ends. Any air trapped inside of the balloon will quickly escape by opening the deflation zipper.



Make sure the inflation tube doesn't get kinked!

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Storage Instructions



6. When you are ready to store the balloon, first make sure that it is not wet or damaged. If you would like to try and make a small repair on site to the balloon, repair kits are available for a nominal charge. It includes 5 square feet of duct balloon material and adhesive.

The correct process for storage is to fold (not roll) it up into a size that will fit inside the provided storage bag. The balloon and blower should be stored in a dry place.

If you need any help, please give us a call at 630-564-7471.