

**NOTICE TO USER**

Thank you for purchasing a DuctSox product.

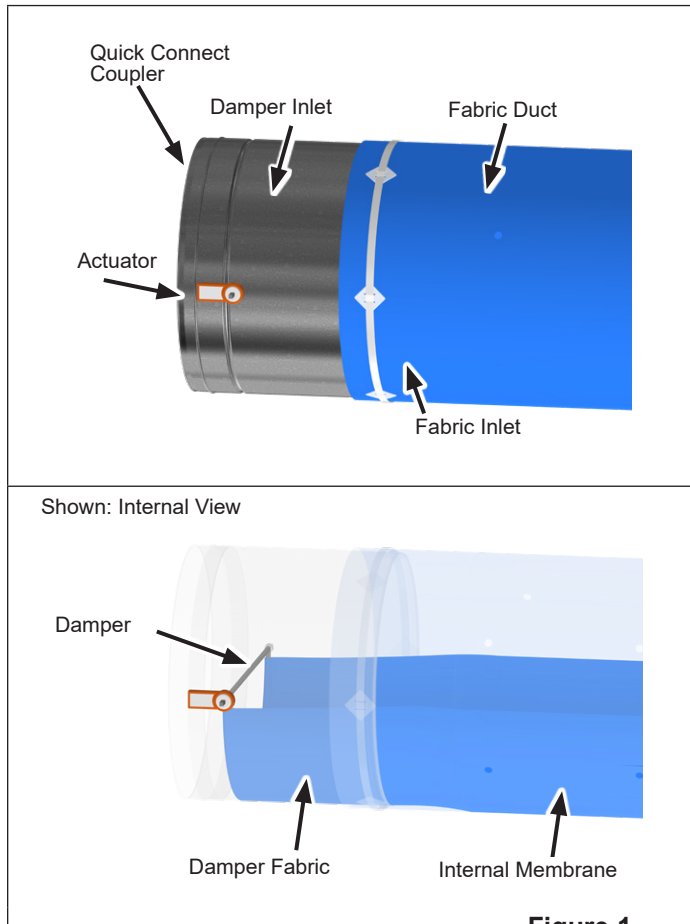
The Directional Damper is a system that allows different air dispersion patterns depending on whether the damper is in the up or down position. The damper controls an internal membrane to switch between two different flow patterns. It is used to direct hot air towards the floor while in a heating cycle and direct cool air towards the ceiling while in a cooling cycle.

Failure to install the DuctSox product properly may void warranty.

Products may be covered by one or more patents:  
[www.ductsox.com/patents](http://www.ductsox.com/patents)

Manufactured by DuctSox Corporation.

**COMPONENTS**



**Figure 1**

**INSTALLATION**

**Preparation**

**Steps Overview**

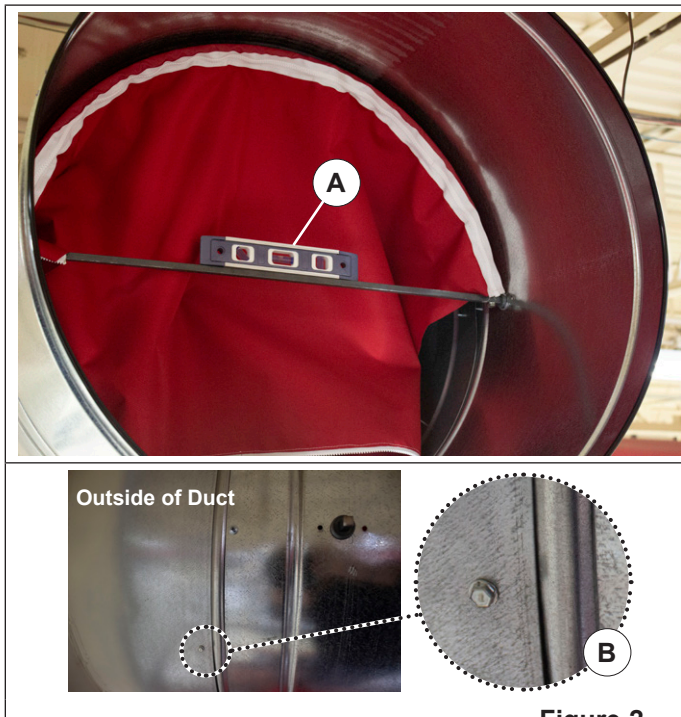
1. Install metal inlet with damper.
2. Install actuator.
3. Install fabric inlet.
4. Hang first section of DuctSox.
5. Zip inlet to DuctSox. Hang remaining DuctSox and zip internal membrane.

**Required Tools**

Drill/Screwdriver
Level
Tape measure
Wire Cutters
Wire Nuts

## INSTALLATION

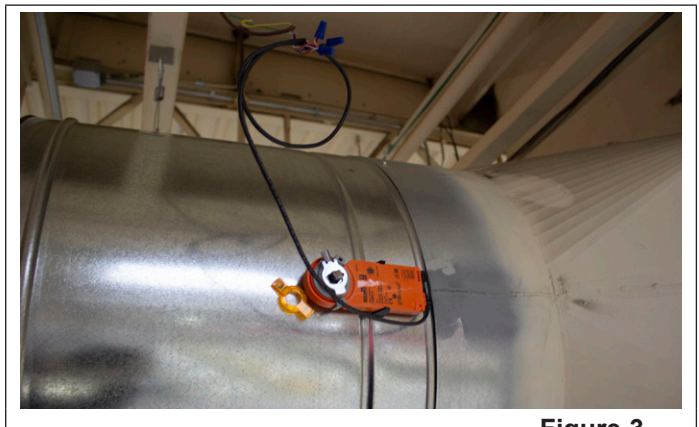
### Step 1 – Install Metal Inlet with Damper



**Figure 2**

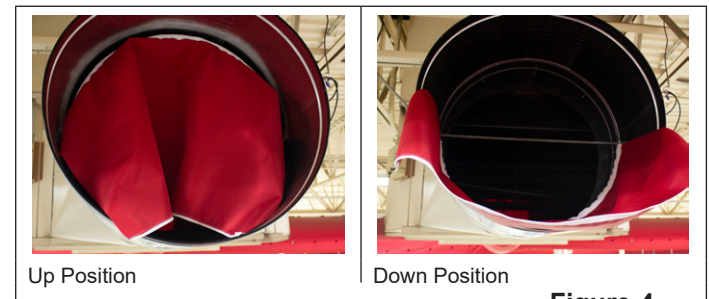
1. Prepare metal inlet for connection with damper inlet provided by Ductsox. Make sure:
  - The inlet that we are connecting to is the correct diameter.
  - You are installing at the correct location.
  - The inlet is cut off evenly for connection with the supplied damper inlet.
2. Attach the damper inlet to the metal inlet by sliding the quick connect end of the damper inlet into the metal.
3. Make sure the 12:00 seam of the damper inlet is at the 12:00 position.
4. Use a level (A) on the square shaft of the damper to make sure that the damper is installed in the horizontal position.
5. Use screws (supplied by others) to attach damper securely (B).

### Step 2 – Install Actuator



**Figure 3**

1. Supply electricity to the actuator and connect to the heating and cooling system. Refer to Belimo's actuator instructions.



**Figure 4**

2. Test that the damper flips:
  - To the up position when the airflow is directed through the lower half.
  - To the down position when the airflow is directed through the upper half.

## INSTALLATION

### Step 3– Install the Fabric

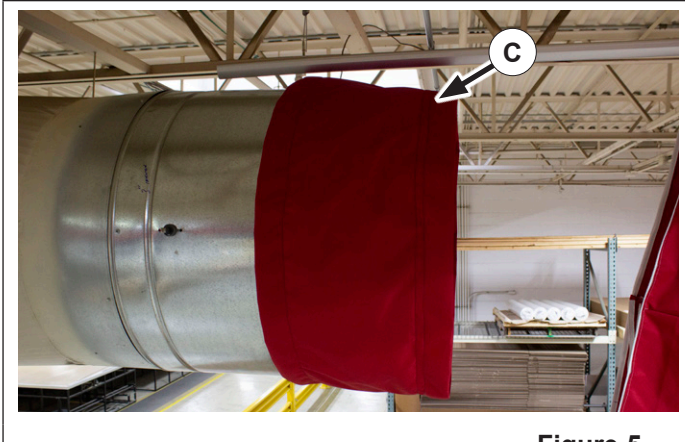


Figure 5

1. Place the fabric inlet so the belt is tight against the front ridge of the damper inlet. Then tighten the belt.
2. Make sure the start of the zipper is at the 12:00 location (C).
3. Attach fabric to inlet with screws (supplied by others) at the plastic patches of the fabric inlet.

### Step 4– Hang First Section of DuctSox



Figure 6

Use the installation instructions supplied with your DuctSox to install the first section of DuctSox.

### Step 5– Zip Inlet to DuctSox



Figure 7

1. Zip the damper fabric to the internal membrane of the DuctSox.




Figure 8

2. Zip the radial zipper and flip the cover up over the zipper when finished.
3. Hang remaining DuctSox. You must zip the internal membranes together along the entire run.

**CUSTOMER SERVICE**

**DUCTSOX WORLD HEADQUARTERS**

4343 Chavenelle Road  
Dubuque, Iowa 52002

 **563-588-5300**