DUCTSOX®
Textile Air Dispersion Products

Installation Guide
Critical Environments
D-Fuser, All-Fabric

The All-Fabric D-Fuser is a textile air dispersion device designed for critical airflow applications. It is available in standard sizes of 2x4 and 2x8 and features a removable fabric face that simplifies installation and maintenance.

Your shipment includes the following:
- Fabric assembly
- Snap frame
- Inlet collar
- 4 each: T-bar clips, rivets, and S clips

Equipment Required:
- Drill
- Rivet gun
- Screwdriver

Installation Steps

Step 1
Review materials in box, including the CAD drawing and installed location of the DuctSox. READ INSTRUCTIONS THOROUGHLY.

Step 2
When placing the air supply location, note the Inlet on the D-Fuser is centered. See E on Figure 1.

Figure 1

Module Size	A	B	C	D	E
2x4	48 7/8" (1241mm)	51 5/8" (1311mm)	25" (635mm)	27 1/2" (699mm)	16" (406mm)
2x8	96 7/8" (2461mm)	99 5/8" (2530mm)	25" (635mm)	27 1/2" (699mm)	16" (406mm)

Step 3
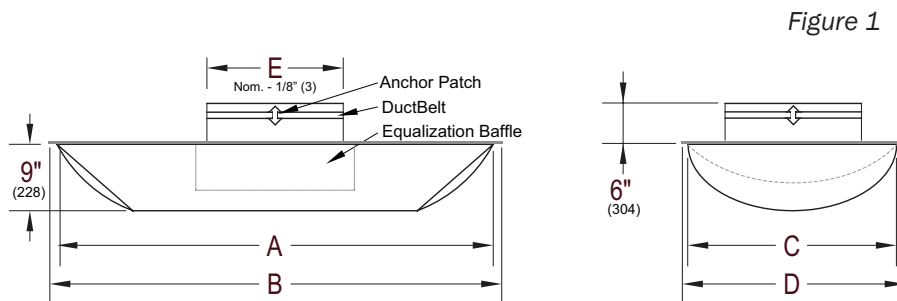The air supply must be a 16" diameter hard pipe to connect the fabric inlet collar.

Step 4
The correct length of air supply hard pipe must be 2–3" above the ceiling.

Step 5
Remove D-Fuser from packaging, separate the fabric body from the frame.

Note: Please keep the fabric body in the plastic cover until assembly. It is important to have clean hands anytime you handle the face fabric. If frame is 2x8, it will arrive in two pieces.

Step 6

Mount the frame to the ceiling.

Three Scenarios

Scenario 1:

If inlet is squared in grid

Scenario 2:

If inlet is off-set or is not running with grid

Scenario 3:

If finished ceiling
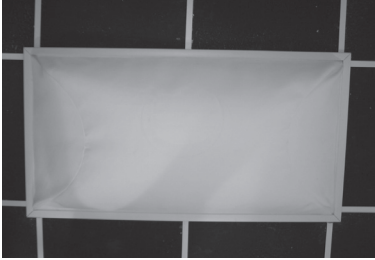
A. Scenario 1: If inlet is squared in grid (Figure 2)

T-bar ceiling, hinged side
- Place S-clip on snap frame. See Figure 3.
- Hook snap frame onto T-bar grid. See Figure 4.
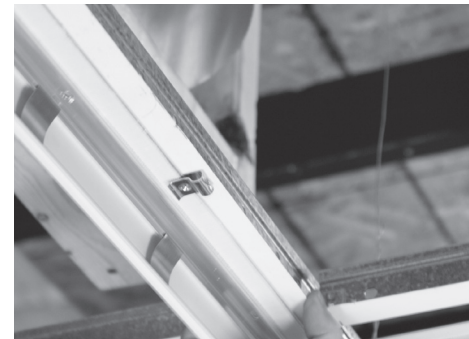- Hinge up opposite side and attach T-bar clips. See Figure 5.

Figure 2

Figure 3

Figure 4

Figure 5

B. Scenario 2: If inlet is off-set or is not running with grid (Figure 6)

T-bar ceiling
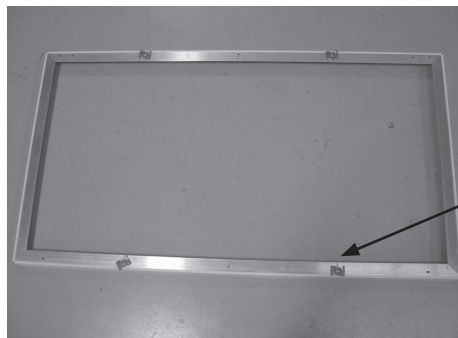- Use four T-bar twist clips to attach snap frame. See Figures 7 & 8.

Figure 8

Figure 6

Figure 7

Installation Guide: *Critical Environments, D-Fuser, All-Fabric*

C. Scenario 3: Finished ceiling

• Hardware attachment by others: attach to ceiling stud or use an approved ceiling anchor (screws, bolts, etc.).

Step 7
Attach the D-Fuser inlet collar.
NOTE: It is important to have clean hands anytime you handle the face fabric.
- Slide fabric inlet collar over metal connection 3–5". Ensure zipper aligns flush with frame. See Figures 9 & 10.
- Critical step: To prevent twisting, test fit velcro.
- Align zipper start/stop with long side of D-Fuser frame orientation & proper depth.
- Tighten belt/Ductbuckle.
- Secure all anchor pads with standard self tapping screws. See Figure 11.
- Remove inlet tag

Figure 9

Figure 10

Figure 11

Step 8
Final assembly.
- Press D-Fuser velcro tight to the frame. See Figures 12 & 13.
- Secure grips. See Figure 14.
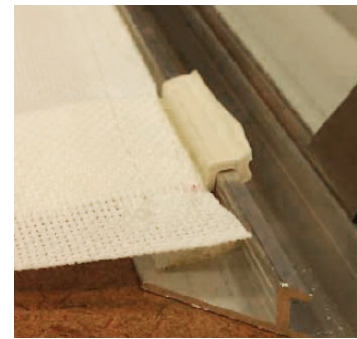

Figure 12

Figure 13

Figure 14

Installation Guide: *Critical Environments, D-Fuser, All-Fabric*

- Adjust as needed pulling taut to remove wrinkles
- When satisfied with the fit, close the frame by snapping shut. See Figures 15 & 16.

Figure 15

Figure 16

Maintenance
- For maintenance, pull snap frame open on all four sides and disconnect grips on all four sides.
- Starting in a corner, remove the fabric face.
- Install clean or new face by aligning to hook and loop, securing anchor grips, and close the snap frame.

Laundering Instructions
- To launder, soak in cold water for 30 minutes.
- Wash cold, gentle cycle.
- Rinse thoroughly (repeat cycle if water/DuctSox still soiled).
- Drip dry or no-heat tumble dry.

? If any questions arise regarding the installation of your Critical Environments All-Fabric D-Fuser, contact us.

866-382-8769 or 563-588-5300

DUCTSOX®
Textile Air Dispersion Products