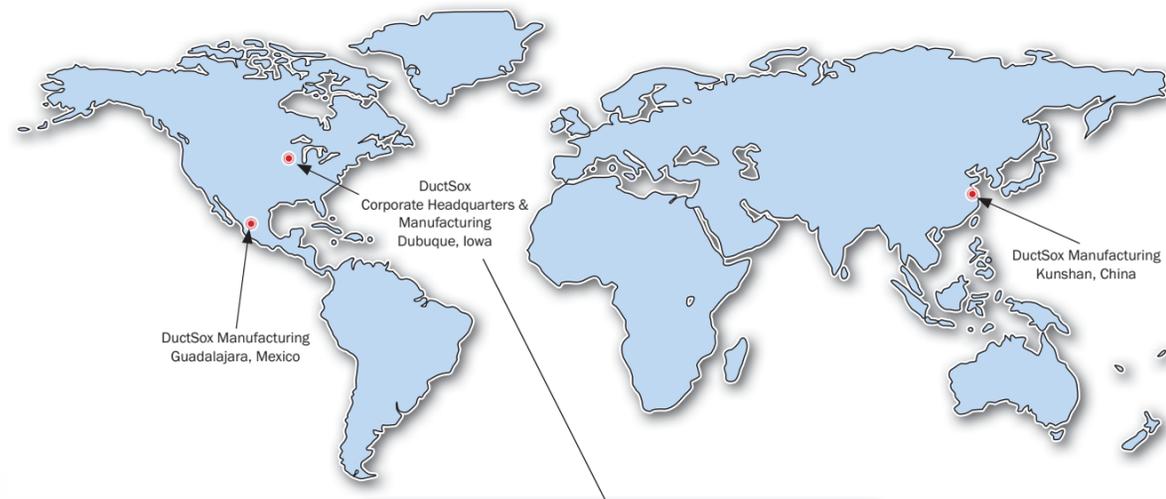


## DUCTSOX CORPORATION

- ▶ Leading manufacturer of textile air dispersion products
- ▶ Global manufacturing and distribution
- ▶ Design and installation support



**DUCTSOX**<sup>®</sup>  
Redefining Air Dispersion

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To find a DuctSox representative, please scan.

Products may be covered by one or more of the following patents: 6565430, 6558250, 5769708, 6425417, 6626754, 6280320, 6960130, 6958011, 6953396, 8434526, 8676545, 8808075, and 8844578. Other patents pending.

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SKELECORE™ FTS  
**Jumbo**  
SERIES

SkeleCore FTS for High Bay Applications  
Available in 50" to 100" (1270mm to 2540mm)

**DUCTSOX**<sup>®</sup>  
Redefining Air Dispersion

# SKELECORE™ FTS Jumbo SERIES



The SkeleCore FTS Jumbo Series is a larger-scale version of the patented FTS suspension/retention system. With sizes available from 50" to 100" (1270mm to 2540mm), Jumbo FTS is ideal for applications with high bay areas where airflow must be distributed to an extremely large area.

Similar to the standard SkeleCore FTS products, Jumbo FTS is the only fabric duct/diffuser system that provides "internal" cylindrical tensioning to keep the fabric round and taut at all times. It maintains the same appearance with or without any air pressure in the duct and improves aesthetics by eliminating fabric sag and wrinkling. Jumbo FTS is ideal when higher aesthetic value is desired, when cycling is frequent, or when systems are designed with variable air volume (VAV). It eliminates disruptive tendencies such as motion and noise upon AHU start-up, especially in hard start applications. Jumbo FTS is suspended with metal-to-metal Direct Hang Cable which is the SAFEST suspension in textile ducting. Fabric longevity is extended by minimizing system movement.

**APPLICATIONS**

High Bay Areas including:  
 Aircraft Hangars/  
 Maintenance  
 Convention Centers  
 Sporting Venues  
 Industrial

## FEATURES AND BENEFITS

### Basics

- ▶ Internal framework system
- ▶ Vertical drops every 6' (1829mm)
- ▶ 0% Deflation
  - ▶ No draping/sagging, no wrinkles
  - ▶ No inflation noise
  - ▶ No fabric motion
- ▶ 100% of fabric is in tension, full circumference and length
- ▶ Maximum tensioned section is 42' (12802mm)
- ▶ Ideal for VAV applications, lower pressure, and higher velocity designs
- ▶ Independent studies show friction loss is minimal (see blue box at right)

### Durability

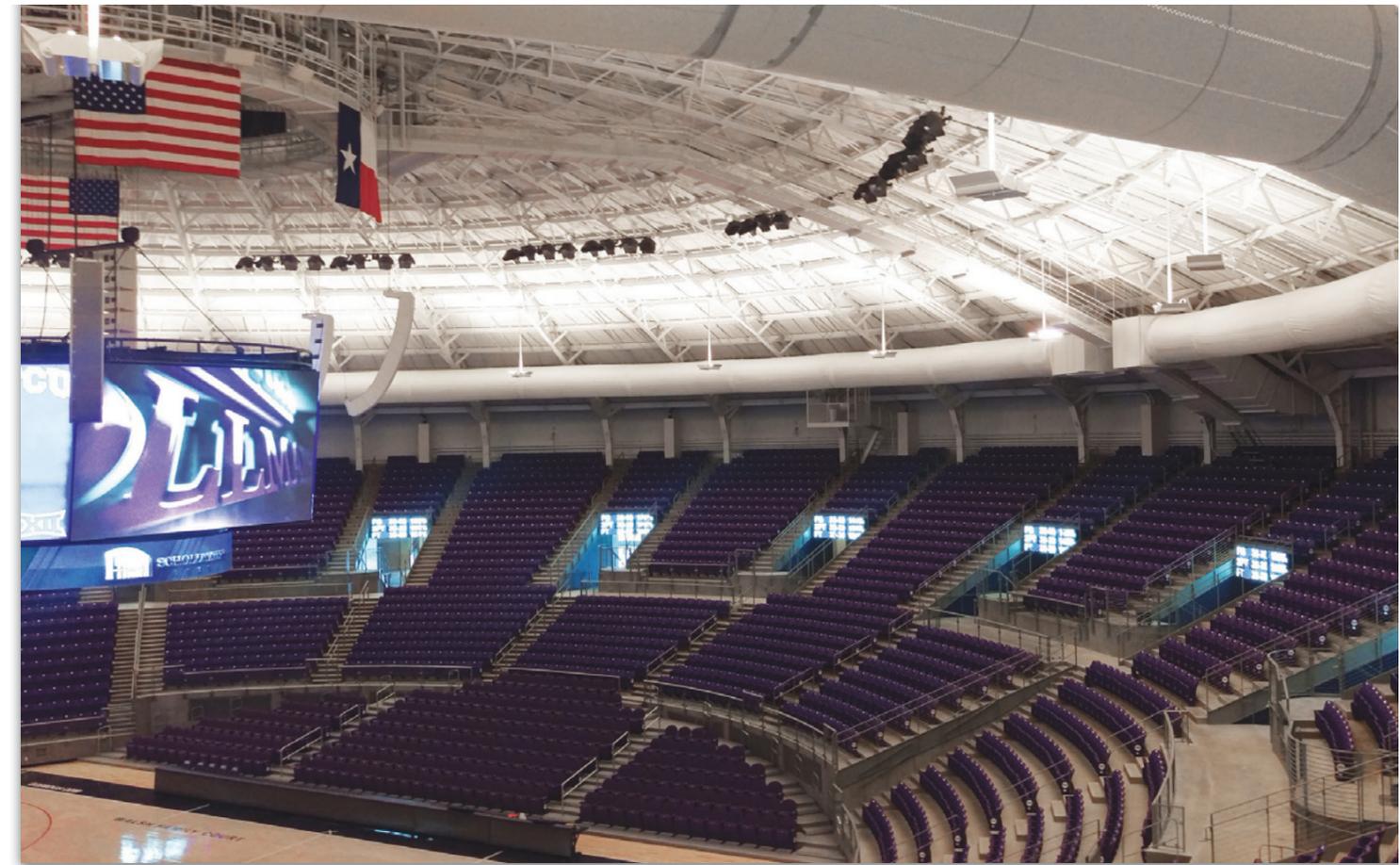
- ▶ Up to 20 year warranty
- ▶ Longest product life compared to other DuctSox suspension systems

### Reduced Time & Materials Cost

- ▶ Material cost, including painting time, can be more than half the cost compared to metal duct
- ▶ Lightweight construction reduces structural steel required for heavier metal duct.
- ▶ Installation time is considerably less than equivalent metal duct (up to 75% less time)

### WILL FRICTION LOSS BE AN ISSUE?

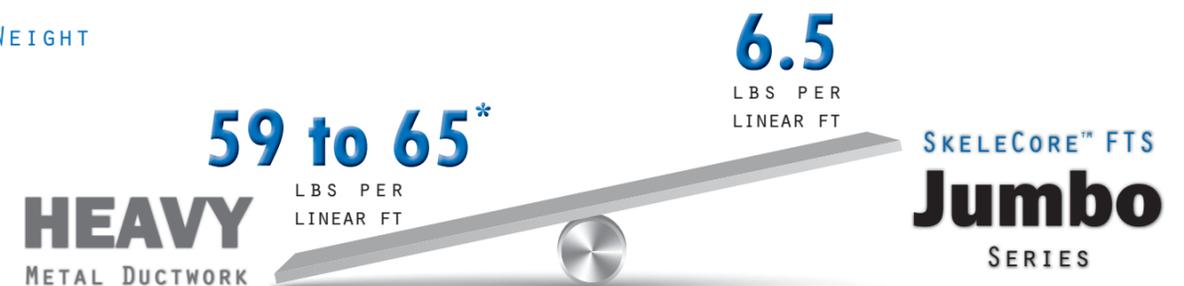
Adding SkeleCore FTS structure in the air stream improves system performance as the minor friction loss (measured at 0.04 in w.g. per 100 foot) offsets static regain experienced in a constant diameter system. The pressure balance is taken into account during design to ensure an optimum performing system and does not increase required fan pressure.



## SKELECORE FTS JUMBO SERIES VS. METAL DUCTWORK

The below comparisons are based on **42'** of **84"** diameter.

### WEIGHT



\* Metal with no bracing, registers/grilles, or grille housing = 59 lbs per linear foot

\* Insulated metal with no bracing, registers/grilles, or grille housing = 65 lbs per linear foot

### INSTALLATION TIME

Hanging 84" Metal Ductwork = approximately 1 hour per ft.  
 Hanging 84" SkeleCore FTS Jumbo = approximately 1 hour per 7 ft.

**With 84" fabric, you save 6 hours per ft compared to metal!**

### PRODUCT COST

With SkeleCore FTS Jumbo Series, the cost savings is significant compared to the cost of equivalent metal duct. With fabric, there is less ducting, no taps, no registers, and no painting required!

**With 84" fabric, it's approximately 25% of the cost of materials compared to metal!**