

Q-sox Selection

1. Sketch the building or area giving overall dimensions and ceiling height. Include special features such as exterior glass, concentrations of people or equipment, open swimming pools, etc. (Layout sheet available at our web site)
2. Draw lines on the sketch indicating where Q-sox could be installed to a) connect to sheet metal ductwork and air handling units and b) distribute the air where it is needed.
3. Indicate the CFM air quantity for each Q-sox line on the sketch determined from the total capacity available from the air handling units. (Questions? Call 612-721-2401)
4. Show the length of each Q-sox indicated on the sketch positioned as to where the air needs to be distributed.
5. Fax this sketch with your name, phone & fax number, the project name and location and any other pertinent data to Fabric Duct Systems, Inc. at Fax: 612-721-0143. (Forms available on website: qsox.com)

Q-sox® engineers will select the appropriate sizes and features recommended for the project and return a free estimate and budget for your project. (Selection will be made for diameters, lengths, cloth weave densities, mounting hardware and other features based on selection parameters of 1500 fpm air velocity and 1/2" w.g. pressure at the inlet connection unless otherwise indicated on your sketch.)

Mechanical Specifications

15890 2.08 CLOTH AIR SUPPLY COMBINATION DUCT AND OUTLET

Furnish and install Q-sox cloth air supply distribution ducts of size and capacity to connect to sheet metal trunk ducts as indicated on the plans. Cloth-fabric duct system shall be as manufactured by Fabric Duct Systems, Inc., 3530 E. 28th St., Minneapolis, MN 55406 Phone 612-721-2401. Cloth-fabric shall be polyester oxford twill weave constructed into a circular shape (optional half-round, quarter-round or flat panel) with safety labels attached indicating "Classified by Underwriters Laboratories, Inc. as Distribution Device, Air in accordance with Flammability requirements of NFPA 90A-1993." Velcro strips (optional zippers) at the beginning and end of each 16' or shorter length of each section shall quick connect individual ducts. A standing one inch high reinforced seam topped with a continuous 3/8" diameter cord imbedded within the duct shall run continuously along the top edge (optional two sides). Extruded aluminum rails (optional cable) shall continuously support the duct by the standing seam and cord. Cloth color shall be natural white, (optional blue, red or custom color). (Optional features available are linear slots, bends & tees, tapered duct, decals & logos, and other customer coordinated specials).

Contact:

Fabric Duct Systems, Inc. • 3530 East 28th Street
Minneapolis, MN 55406 • 612-721-2401



Made In USA

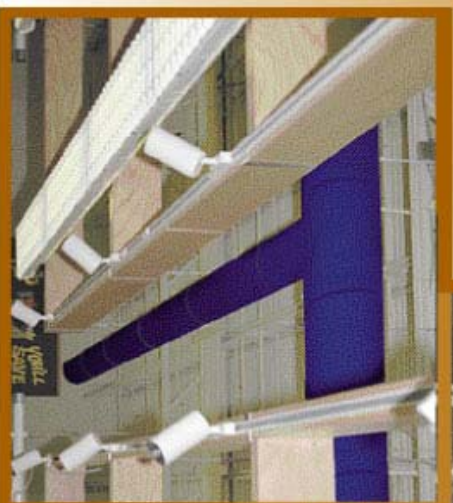
Quiet Cloth



HVAC air distribution with permeable cloth duct.

Quiet, Cleanable, Continuous, Draft-free, Quality air distribution... with Cloth Duct

- No air drafts.
- No diffusers or registers.



- No rattles or noise
- Not perforated flexible vinyl.



An innovative air distribution system by: **Fabric Duct Systems, Inc.**
3530 East 28th Street • Minneapolis, MN 55406 • 612-721-2401
Fax: 612-721-0143 • E-Mail: sales@qsox.com • Web: www.qsox.com





Cloth Q-sox is not a replacement for sheet metal ductwork... it is an air conduit and continuous outlet to distribute air equally along the duct much the same as a seepor hose for water.

Why Q-sox...

Q-sox is air permeable woven polyester cloth ductwork; not plastic with perforated holes.

Q-sox discharges air along the entire surface of the duct through the multiple, microscopic pores between the threads. Air drafts associated with holes, grills and diffusers are eliminated with Q-sox.

Q-sox is lightweight- 5% of sheet metal for ease of installation and shipment.

Q-sox is UL Classified to NFPA 90A-1993 ratings to provide building safety and code compliance.

Q-sox is approved for use by the USDA on specific food processing applications requiring cleanliness. Q-sox design is architect's choice...

- Color, tint and shade
- Logos or Decals, color & size
- Round, Half-Round, Quarter-Round or Flat Panel Shape

Quality Air... better IAQ with Q-sox Air Distribution

- Temperature is even
- Humidity is even
- Draft-free... Velocity is low
- Clean air is introduced
 - a. final filter
 - b. ventilates without condensation.
- Thermal Control (not velocity)

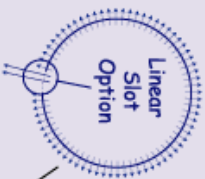
Q-sox Applications...

- High Number of People
 - Restaurants
 - Computer Rooms
 - Retail Stores
- High Ceilings Ten Feet or Higher
 - Gymnasiums
 - Alcades/Concert Halls
 - Casinos
- Air Conditioning
 - Indoor Swimming pools
 - Ice Rinks
 - Ship Cargo Holds
 - Animal Housing
- Contaminated Environments
 - Welding Facilities
 - Fabrication Plants
- Food Distribution and Processing
 - Supermarkets
 - Meat Processing
 - Refrigerated Storage
- Displacement Ventilation Systems

Quiet Cloth... easily Operated and Maintained

- No noise generation
- Soft but rugged
- Quick and easy installation
- Fast removal for ease of cleaning & re-hanging
- Light weight to decrease cost of structure, hanging and cleaning
- Final filter of air
- No air drafts
- Classified UL, NFPA 90A fire retardant & USDA hygienic

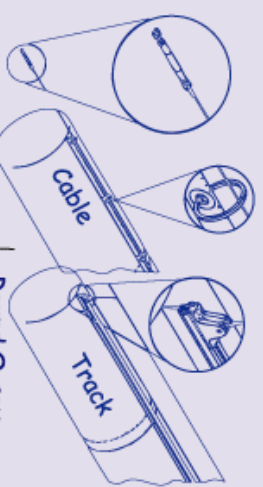
Linear Slots in Q-sox for Increased Velocity (ie. Prevents Condensation on Windows...)



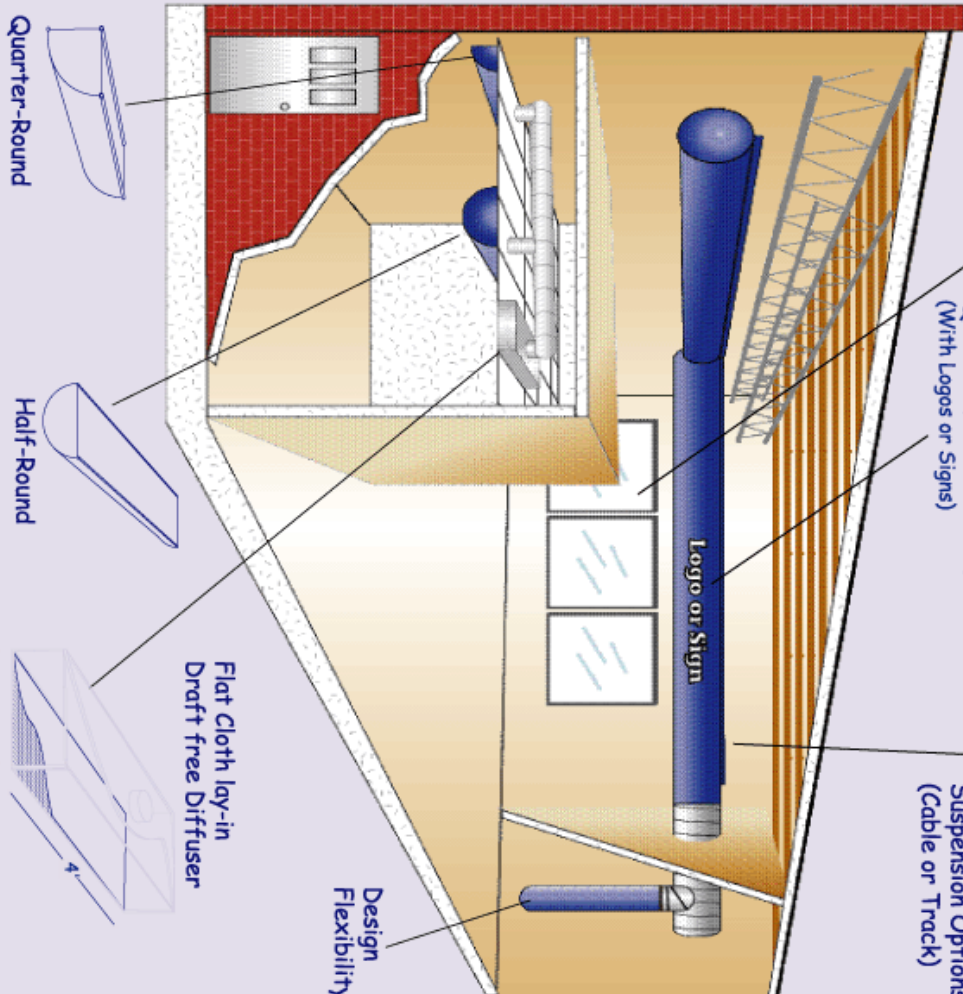
Q-sox can be Silkscreened (With Logos or Signs)

Logo or Sign

Round Q-sox Suspension Options (Cable or Track)



Design Flexibility



- Unique Q-sox Features**
1. Continuous Standing Seam... to firmly support the Q-sox without spaced clips and sagging duct.
 2. Hook & Loop... to attach and remove duct sections quickly.
 3. Tapered Duct... to optimize the amount and location of supplied air.
 4. Flat Cloth Lay-in Panels... to provide concealed, draft-free air distribution from columns and drop ceilings.
- Q-sox Features**
- Draft-free air distribution
 - Precise and even air distribution along entire duct length.
 - Cleaning is fast and efficient with hook & loop or zippered 16" sections to permit quick removal, washing and re-installation.
 - Corrosion-free... cloth does not rust or deteriorate when installed in wet, dirty, chemical or USDA applications... often eliminates the need for expensive stainless steel.
 - Condensation-free... eliminates water formation to inhibit mildew, mold, fungus, viral or microbial growth. Frosting and de-icing is eliminated on refrigerated cold air distribution.
 - Draft-free air distribution

