



# PERSPECTIVES

Newsletter

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## FabricAir

We are proud to announce a **new product in our offering**. Elite Air Systems and Fabric Air have teamed up to serve the engineering and contracting community in Philadelphia, South Jersey and Northern Delaware.

Fabric Air is the originator of the fabric air dispersion systems. The systems employ fabric to deliver conditioned air to a wide variety of applications with varying individual requirements. FabricAir® Ducts can be installed using a number of different suspension systems which allow easy installation and rapid removal for washing and maintenance.

The systems are lightweight and extremely flexible and are specified for use in leisure, retail, media and broadcasting settings, as well as manufacturing, education, commercial and food processing environments. Available in round and half-round profiles, these systems are easily suspended from ceilings, roof structures and walls to provide a flexible and cost-effective air distribution system. The fabrics are available in a wide range of standard and custom colors. The product can also be customized with company logos and advertising messages.

### Available Flow Models

						
FlowModel Comparison	FabFlow™	PerfoFlow™	MeshFlow™	SonicFlow™	OriFlow™	NozzFlow™
Flow principle	Displacement ventilation	Displacement-/mixing vent.	Displacement-/mixing vent.	Mixing ventilation	Mixing ventilation	Mixing ventilation
Condition of suppl. air	Cold	Isothermal and limited heating	Cold and hot air	Isothermal/limited heating	Isothermal and hot air	Cold and hot air
Exit velocity [fpm]	20 to 40	1,400 to 2,600	200 to 500	1,400 to 2,600	2,000 to 3,600	1,400 to 4,000
Outlet size	-	1/8" to 5/8"	Mesh	1/8" to 5/8"	1" to 5"	3/4"
Throw type	Low	Medium	Medium	Medium	High	High
Fabric	Permeable	Non-permeable	Permeable	Non-permeable	Non-permeable	Permeable and non-permeable
Other	Even air distribution				Large air volumes only	Even air distribution









### BENEFITS

- Lightweight
- Nearly Silent Air Delivery
- No Condensation (Permeable Fabrics)
- Reduced Installation Labor
- Less Fluctuations in Price than Metal
- Architecturally Appealing
- Easy Maintenance
- Improved IAQ
- **10 Year Non-Prorated Warranty !**

[www.FabricAir.com](http://www.FabricAir.com)

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 <p><b>FabFlow™</b></p> <p>The air exits the duct through the permeable fabric surface. The air is driven by thermodynamical forces preventing drafts in the occupied zone, which results in a high level of comfort.</p>	 <p><b>PerfoFlow™</b></p> <p>This Flow Model is similar to FabFlow, except that the air exits the duct surface through a number of small holes ensuring low exit velocity. Virtually draft-free conditions are obtained in the occupied zone.</p>	 <p><b>MeshFlow™</b></p> <p>This Flow Model generates a medium throw of the air exiting the longitudinal mesh. The flow can be classified as mixing or active displacement ventilation depending on the location of the mesh on the duct.</p>
 <p><b>SonicFlow™</b></p> <p>SonicFlow™ is a flow with medium throw of the air where the air penetrates the duct through small holes located in a band along the length of the duct. The flow can be classified as mixing ventilation or active displacement depending of the location of the band of holes on the duct.</p>	 <p><b>OriFlow™</b></p> <p>OriFlow™ is a flow with a large throw of air. The air penetrates through large holes on the surface of the duct. It is only for distributing large air volumes.</p>	 <p><b>NozzFlow™</b></p> <p>NozzFlow™ is a flow model which produces medium to very large air throw. The air penetrates the duct through small nozzles, which increase the outlet velocity. NozzFlow™ ensures equal distribution of the air. The distinct precision in throw and the flexibility in positioning the nozzles results in superior quality.</p>

## Fabric Types

**FabricAir® Trevira CS** This is our signature product with over 30 years of proven performance. This is a permeable product which provides a full duct surface air leakage, preventing any condensation forming on the duct even during extended cooling temperature differences in high humidity areas.

**FabricAir® Combi** is available with both permeable and non-permeable fabric. The fabric is strong and durable – all varieties are supplied with a 10 year warranty. FabricAir® Combi is Oeko-Tex certified. All suspension types can be used, including All-in-One, which always keeps the duct stretched out even when the air is removed from the system.

**FabricAir® Antistat** Wherever static electricity is of concern in the air distribution system, FabricAir® Antistat duct products can eliminate the problem of static charge buildup from air flow. Ideal for switching stations and the electronics' industry and other sensitive applications.

**FabricAir® Glass 220** is used in areas with strict requirements for fire rating. FabricAir® Glass 220 is woven with glass fibers, which are noncombustible. The material cannot be machine washed and consequently cannot be used if this is a requirement.

**FabricAir® Poly** This is an extremely cost effective alternative to other forms of air distribution. Used mainly in industrial applications this rugged duct performs well in supplying both fresh and heated air to personnel in the work areas. Sometimes used for temporary means of ventilation.

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