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Quality Products, Innovative Technology, Knowledgeable Staff – A Dynamic Resource
We are Air Distribution Concepts



Dear Customer,

Thank you for choosing ADC Inc. We are one of the leading manufacturers of custom fabric air diffuser systems in the United States. Our hope is that you will select us as your source for fabric air diffuser systems. We are able to offer the most advanced technologies combined with innovative and unique products. In addition to advance fabrication technology, we offer friendly and responsive customer service to help guide and assist you, our customer.

We offer a wide range of fabrics in an array of colors. All our fabrics are manufactured in the United States. Air Distribution Concepts, located in Delavan, Wisconsin, designs and fabricates FlowCon Fabric Air Diffusers for a wide variety of air systems. We fabricate diffuser systems for heating, air conditioning, evaporative cooling, ventilation, dehumidification, and makeup air. Our fabric diffusers are cost effective, good for the environment, and aesthetically pleasing.

This is an exciting time in our industry. Cutting-edge innovations and improved installation applications promise a bright future. Air Distribution Concepts remains eco-friendly with our new energy efficient facility, recycling our fabric and using recycled materials.

The staff at ADC Inc. is always available to assist our current and future customers. We sincerely appreciate your interest in our company's products and, as always, we look forward to hearing from you in the near future.

The Air Distribution Concepts Team

Everything Under One Roof



With our new production facility ADC Inc. is one of the largest manufacturers of custom fabric air diffusers in the United States. We take pride in the fact that all our fabrics, suppliers and our factory are based in the United States.

The basis for our fabric air diffuser system designs is our customers needs. Our first priority is the best cost effective design for our customer. We start with a basic layout which we use to construct an auto-cad drawing that is converted to a PDF proof submitted for a customers approval. Once the design is finalized and color is selected it moves to production.

In production the order goes through a multi-step process. Starting in layout department, quality control is an important part of the fabrication process. Our products are checked and double checked until they leave the building.

With our state of the art equipment, the fabric is cut, marked and staged for the sewing department. While the fabric is being staged we get to work on the suspension system. Some orders require the suspension system to be shipped first to speed up the installation process. This is not a problem because all components needed to suspend the diffuser system are kept in stock in our Delavan location.

All of the suspension hardware is customized for every fabric air diffuser system. With HD rail systems the rail extrusions are bent to follow the radius of each elbow.

Diffuser systems with custom logos are designed and applied right in our factory.

We start with the customers design and work up a proof. Our staff can help you personalize your fabric air diffuser. Once the design is finalized the art work is cut out in a form that can be applied to the fabric in house before it leaves. For more in-depth logos our imaging process produces sharp images that typically better than screen printing.

Our focus is to stay a customer service operation. No customer or order is to small to get our full attention.



Why Fabric?



Cost

The cost of FlowCon Diffusers is **20-60% Less than Metal**. The savings is in the labor time required to install FlowCon diffusers versus a comparable metal system. It may require five times more labor to install metal.

Savings increase with diameter. Unlike metal, FlowCon installation costs do not increase significantly with increased size.

The cost savings of FlowCon diffusers are even more dramatic when compared to double wall spiral metal, or premium materials like aluminum, stainless or PVC coated.

Most fittings used in sheet metal design can also be constructed of fabric and are less costly.



Maintenance

Whether your air delivery system is fabric or metal, it will require cleaning sometime over its useful life. Cleaning metal duct work can be expensive and those costs are often overlooked, considering that a duct system must be cleaned inside and out.



Cleaning

When it comes time to clean your FlowCon diffuser system, it can be easily removed and simply laundered. The cleaning process can involve either vacuum cleaning and/or hand or machine washing depending on the fabric. FlowCon diffuser systems are designed with zippered sections for ease of handling and are sized to fit into industrial washing machines.



Weight

The weight of a FlowCon diffuser system can be significantly less than a comparable metal system. Designing with FlowCon diffuser systems means lighter roof loads.



Shipping

FlowCon diffusers are packaged and shipped to any location directly from our manufacturing facility. Smaller, lighter packages mean faster and less expensive shipping.



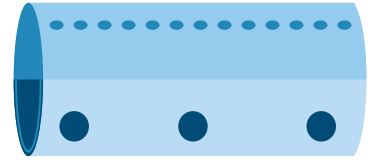
Graphics

We now offer custom printing for your FlowCon diffuser system. You can use it for your own logo or sell ad space and turn your cost into profits.

Our Products

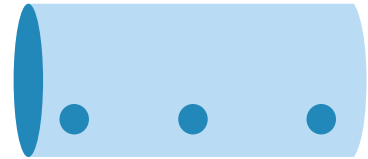
Seasonflow Design Fabric Air Diffusers

Seasonflow air diffusers enable the user to quickly change the direction of the air flow. There is an “up” position for cold weather and a “down” position for warm weather. The user simply zips open an access panel and zips the divider panel into a different position for the desired directional diffusion.



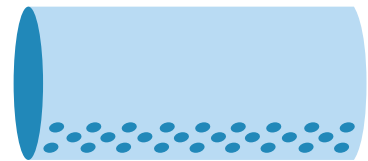
Powerflow Design Fabric Air Diffusers

FlowCon air diffusers with large powerflow air jets can be used for a wide variety of applications. They are very efficient at entrapping and mixing air. Large powerflow air jets can be strategically positioned along a diffuser.



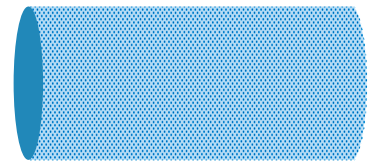
Softflow Design Fabric Air Diffusers

Softflow air jets have less mass than powerflow jets, so they diffuse quickly. The area of noticeable air movement typically ranges from 2-10' beyond the diffuser. Softflow designs are used when it is necessary to reduce air jet turbulence or the area of significant air movement. Air delivered through softflow air jets provides a gentle air flow.



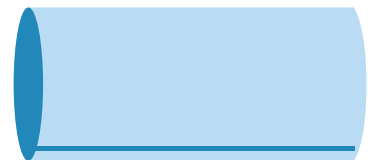
Microflow Design Fabric Air Diffusers

Microflow air diffusers are made with permeable fabrics. Millions of tiny air jets are discharged through the diffuser fabric. Typically, microflow diffusers are used to displace rather than mix air. To accomplish air displacement, the air jets must diffuse very quickly. Where a powerflow air jet may take 20' or more to diffuse completely, the tiny microflow air jets diffuse within 6" of the diffuser surface.



Linearflow Design Fabric Air Diffusers

Linearflow fabric air diffusers deliver air through vents providing a gentle air flow. The exact linear vent size and location will be determined in the design phase to optimize air delivery. Linearflow air diffusers give an aesthetically pleasing look to a design. Linear vents deliver air through a mesh vent located down the entire length of the diffuser and diffuse the air where the area of noticeable air movement ranges from 5-20' from the diffuser.



Easy Installation

Cable

Tension cable is the most economical option. Available for all diameters. Single cable up to 30" in diameter and double up to 48" diameter. Triple above 48". Snap hooks are spaced on 36" centers and are available in plastic or stainless steel. Cable is available in galvanized, stainless steel, and vinyl coated. The system consists of a cable (3/16" diameter), turnbuckle, eyebolts and cable clamps. Also available with a 3-point hanger system.

HD Rail

New HD anodized aluminum rail is our premium rail system. It has a sleek, smooth look for our FlowCon fabric diffuser system. Single rail up to 30" diameter and double up to 48" diameter. Triple above 48". Gliders are spaced on 36" centers and are available in plastic. The system consists of HD rail, rail supports, couplers and vertical supports (speed links). Radius bends are available to meet elbow radius. Also available with a 3-point hanger system.

Flush Rail

Flush anodized aluminum rail can be used for applications where the FlowCon diffuser system has to be near the ceiling. Flush rail must be attached to a flat ceiling or T-Bar system. Flush mount rail is designed to support our 'D' duct diffusers. 'D' duct diffusers are used when ceiling height is a concern. A double flush rail system is needed to support the 'D' duct diffuser. Sizes from 6" to 18" radius (12"-36" wide) are available. The system consists of the flush mount rail and end piece. Radius bends are available.

Halo

New Halo Suspension System (HSS) gives the appearance of your FlowCon diffuser system to be inflated when the air handling system is off. This option can be used with a simple one row cable suspension or single HD rail to keep the FlowCon diffuser looking inflated without airflow. Limited from 10" to 36" diameter, this option is perfect for applications where deflated diffuser hang down is a problem. Sections can easily be taken down and washed with no extra labor. Components include standard one row tension cable or our HD single rail system.

Design Recommendations



Application	Diffusion Style	Fabric Options	Suspension Type
Industrial, Manufacturing, Warehouse	PowerFlow, SoftFlow	Polyester, Polyethylene, Vinyl coated polyester, Fiberglass	Tension Cable, HD Track
Pools	PowerFlow, SoftFlow, LinearFlow	Polyester, Polyethylene, Vinyl coated polyester	Tension Cable, HD Track
Gymnasiums	PowerFlow	Polyester, Polyethylene, Vinyl coated polyester	Tension Cable, HD Track
Retail	SoftFlow, LinearFlow, MicroFlow	Polyester	Tension Cable, HD Track, Flush Mount
Tent, Temporary Structure	PowerFlow, SoftFlow	Polyduct	Tension Cable
Office, Telemarketing	SoftFlow, MicroFlow	Polyester, Xstatic	Tension Cable, HD Track, Flush Mount
Telecommunication	SoftFlow	Xstatic	Tension Cable, HD Track, Flush Mount
Food Processing	MicroFlow	Polyester	Tension Cable, HD Track, Flush Mount
Auditorium, Church	PowerFlow, SoftFlow	Polyester, Polyethylene	Tension Cable, HD Track
Library, School Classroom	SoftFlow, MicroFlow	Polyester, Polyethylene, Vinyl coated polyester	Tension Cable, HD Track, Flush Mount
Restaurant, Bar, Cafeteria	SoftFlow,	Polyester, Polyethylene, Vinyl coated polyester	Tension Cable, HD Track
Clean Room, Test Lab.	SoftFlow, MicroFlow	Polyester, Xstatic	Tension Cable, HD Track, Flush Mount

Fabric Options

Polyethylene

Polyethylene is resilient to most chemicals and will stand up to most air borne particles. It has a melt temperature of 180°F and can be cleaned by a spray hose nozzle and brush. Polyethylene is fire retardant and meets ASTM E-84 Class 1, ICCES Report (ESR-2646), AC 167.



300 D Polyester

Polyester is a premium grade coated fabric. It has a melt temperature of 350°F and can be laundered in small sections. Polyester is fire retardant and meets ASTM E-84 Class 1, ICCES Report (ESR-2646), AC 167.



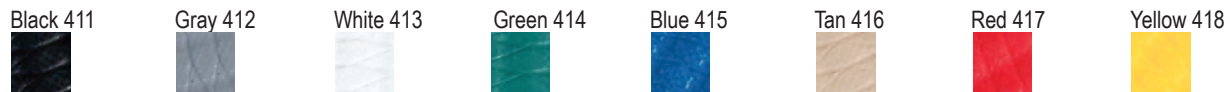
Anti-microbial Polyester

Polyester is a premium grade uncoated fabric with an antimicrobial agent. It has a melt temperature of 350°F and can be laundered in small sections. Polyester is fire retardant, meets ASTM E-84 Class 1 and is classified by UL and UL 2518.



10 oz. Vinyl Coated Polyester

Vinyl is a coated fabric that will stand up to most air borne particles. It has a melt temperature of 180°F and can be cleaned by a spray hose nozzle and brush. Vinyl is fire retardant and meets ASTM E-84 Class 1.



XStatic Polyester

XStatic is an anti-static coated fabric that features an antimicrobial agent. It has a melt temperature of 250°F and can be laundered in small sections. XStatic is fire retardant and meets ASTM E-84 Class 1.



High Temp Fiberglass

High Temp Fiberglass is a coated fiberglass fabric that features a melt temperature of 500°F. It can also be used for other applications. The fiberglass is coated and can have air jets. High Temp fiberglass is fire retardant, meets ASTM E-84 Class 1 and is classified by UL.



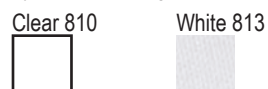
Permeable Polyester

Polyester is a premium grade uncoated fabric. It has a melt temperature of 350°F and can be laundered in small sections. Polyester is fire retardant and meets ASTM E-84 Class A.



Polyducts

Made of lightweight, extruded polyethylene, 4 mil thick with diameters that range from 8" to 37". They are typically used for "light-duty", temporary installations, such as event tents, greenhouses and livestock buildings. Polyducts are straight, tubular diffusers. Fittings are not available. They are available in standard clear and fr-white (flame retardant).



*Special order only.



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