

ATC



AERO TEXTILE CONCEPT

EXPERTS IN AIR DIFFUSION
SOLUTIONS SINCE 1986

SOTECK

clauger

Air treatment +
Energy efficiency 4.0



Air conditioning
Cooling
transporting treated air
Refrigeration
Ventilation
Space heating

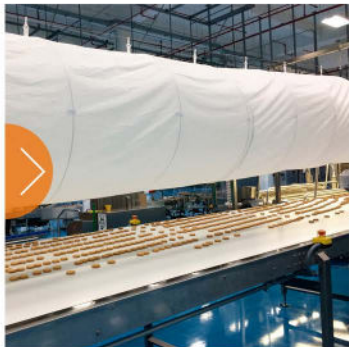
Expert in fabric air ducts and diffusers

A breath of fresh air for your projects

design - manufacture - service

Ducting suited to all types of applications

FOOD-PROCESSING



PUBLIC SPACES



INDUSTRIAL



LABORATORIES



LOGISTICS



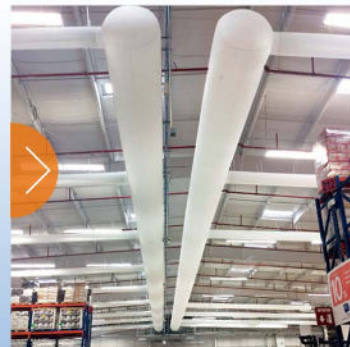
SPECIAL EVENTS



SPORT FACILITIES



SUPERMARKET



SURFACE

Combination of confort and desing.



Controlled air
diffusion



Compact



Creative collection
(customizable)



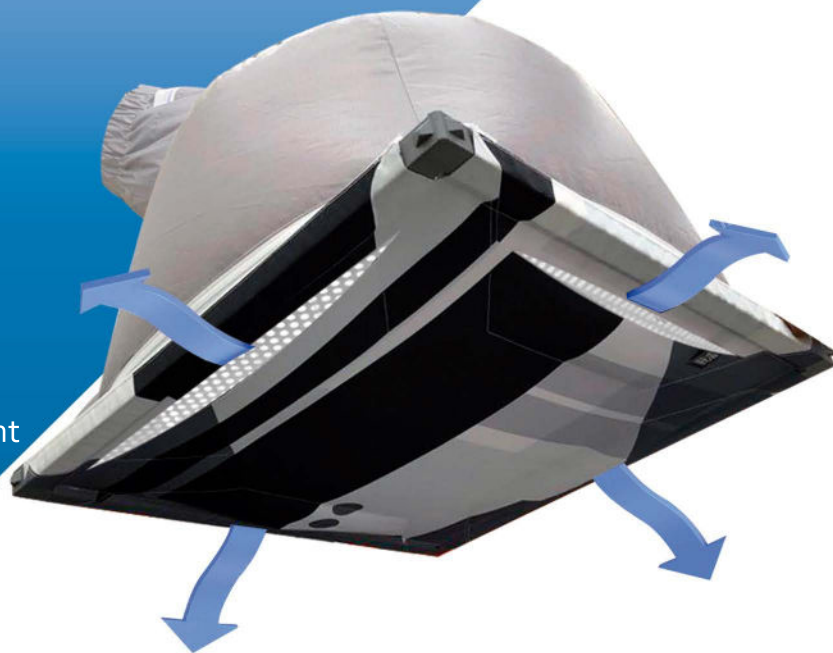
Machine-
washable



Easy to install



Lightweight



ECFA[®]
SURFA
®Aérotexile Concept[®]



Find out about the products and
collection at: www.smartsurface.tech

Why choose fabric ducting rather than traditional sheet-metal ducting?



Savings in all respects

30 %

savings on installation work

- ▶ Lightweight and compact
- ▶ Reduced handling requirements
- ▶ Simplified suspended system
- ▶ Reduced balancing time



Between
20 and 40 %
savings on transport costs

- ▶ With a weight of 2 to 15 oz/yd² (compared with 1 to 3 lb/ft² for traditional sheet-metal ducting), our ducts are easier to transport, shipping charges are reduced.



Between
10 % and 20 %
in energy savings

- ▶ Quick start-up time in premises
- ▶ High-performance diffusion
- ▶ Reduced machine operating time
- ▶ Minimal pressure loss
- ▶ Low ΔT° for air mix



Certifications



Bs1d0



5.2



M0 - M1



AS/NZS 1530.3-99



B1



AIRNEO'S range of technical fabrics meets the requirements of each type of application while respecting the regulations in force.



AIRNEO by ATC

RANGE AIRNEO	FABRICS	SPECIFICITIES	ACTIVITY SECTORS						
			FOOD- PROCESSING	INDUSTRY	ERP	LOGISTICS	LABORATORIES CLEAN ROOMS	TERTIARY	SPECIAL EVENTS TEMPORARY STRUCTURES
REFERENCE AB/AS	Polyester of 2.94 to 3.8 oz/yd ²	✓ Antibacterial ✓ Antistatic	*	*			*	*	*
FIRST LT/HV	Polyester of 2.8 to 6.4 oz/yd ²	✓ Low porosity ✓ Long lengths	*	*		*	*	*	
GOLD	Coated glass fabric 13.27 oz/yd ²	✓ Non-combustible ✓ Classification M0 ✓ French standard		*	*	*			*
CLASSIC	PVC coated fabric 12.38 oz/yd ²	✓ Resistant to water ✓ Resistant to chlorinated atmospheres		*		*			
ISOTEX	Polyester/Waddin/ Aluminium foil 14.15 oz/yd ²	✓ Low thermal loss ✓ Limited condensation	*	*		*			
DIAMOND	High polyethylene density of 10 oz/yd ²	✓ Allows 70% of the solar radiation ✓ UV resistant		*			*		*
CRISTAL	Transparent PVC 7.37 oz/yd ²	✓ Greenhouse ✓ UV Resistant		*			*		*

Different types of diffusion

HERMETIC - Non-diffusing

THE PRINCIPLE

Transport or collect air thanks to a hermetic duct

BENEFITS

- Sounds are damped
- Minimum structure are required
- Pre-balanced networks (no registers)
- Ducts can be insulated
- Lightweight



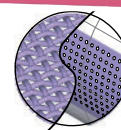
RADIANT

THE PRINCIPLE

Low speed air dispersion through a porous fabric surface.

BENEFITS

- Low diffusion velocity (from 39 to 200 ft/min)
- Comfort (people, process, products)
- Adapted to high air circulation rates (laboratories, ISO clean rooms)



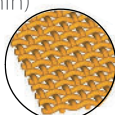
IMPULSION

THE PRINCIPLE

Air diffusion through woven wire strips. This diffusion type allows higher air-dispersion range (coanda effect) thanks to linear air displacement.

BENEFITS

- Medium diffusion velocity (from 200 to 1000 ft/min)
- Controlled air diffusion
- Reduced number of diffusers
- Wall effect
- Minimized clogging



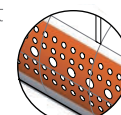
ENERGY

THE PRINCIPLE

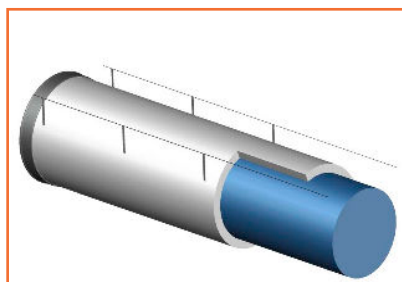
Air diffusion through induction via calibrated openings. Through blowing a reduced air flow, induction allows to create a movement in a much greater flow of ambient air.

BENEFITS

- Made-to-measure air dispersion (from 600 to 6000 ft/min)
- Air mixing (venturi) and limited temperature gradient
- Ideal for use with reversible units
- Wide air-dispersion range
- Adaptable to every type of activity sectors

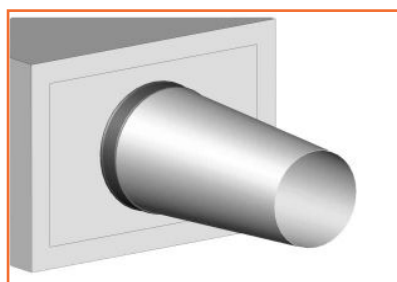


Innovations



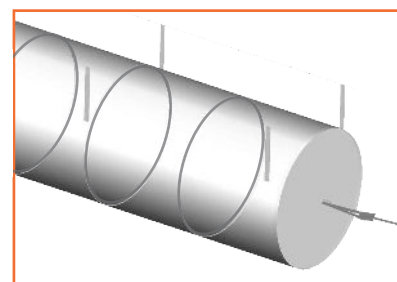
AIRNEO ISOTEX

Duct with thermal insulator that limits condensation and reduces energy losses in air treatment installations. Designed to meet thermal constraints, suspended weight and volume.



AIRNEO WARM UP

Defrost sleeve, designed to cover the output of the cooling unit. Reduces defrosting time in 30% and avoids heat leaks in the environment.



AIRNEO CURVE

Ringed structure with tension system, which allows the duct to maintain a circular shape when the air equipment is turned off.

SPECIAL FORMS

Possibility of creating the forms necessary for the fabric pipelines to adapt to the restrictions of the area.



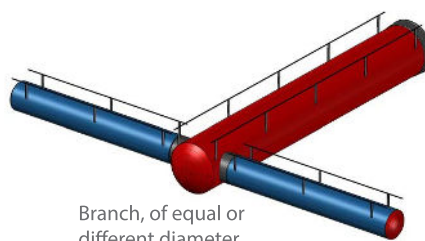
Eccentric reduction downwards



Concentric reduction

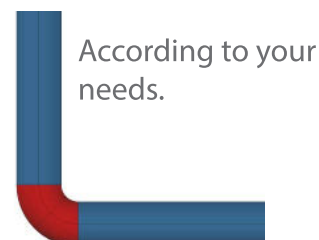


Eccentric reduction up



Branch, of equal or different diameter

Elbows 90°, 45°, 30° ...



According to your needs.

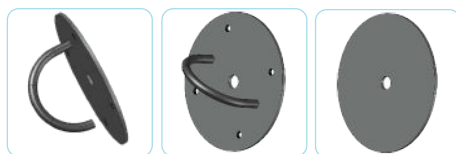
Options and accessories: choice, reliability and ease-to-use

VARIOUS SUSPENSION SYSTEMS

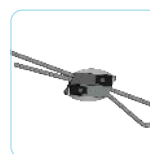
Profiles (PVC / Alu)



Miscellaneous supports



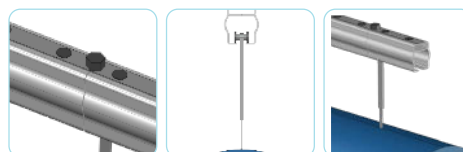
Gripple



Cables (Galvanized / Stainless / Kevlar / PVC-coated)



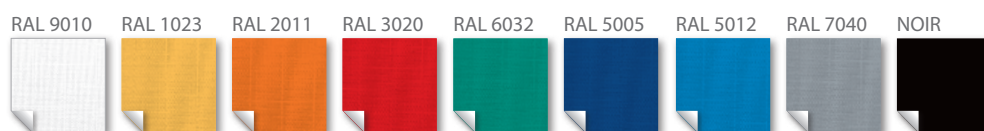
Rail (Aluminium Twist'n Fix)



FABRICS AND COLORS

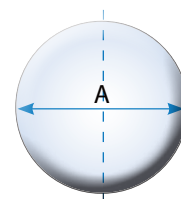
A wide range of standard or custom colors can be incorporated into AIRNÉO by ATC. You can custom-build your networks: special shades, shapes, marking, etc.

Coloris RAL standards

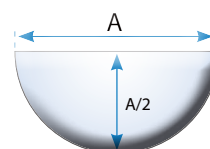


A WIDE RANGE OF SHAPES

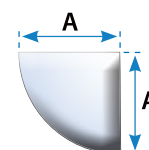
Circular



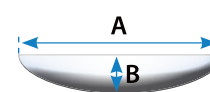
Half-circular



Quarter-circular



Half-elliptic



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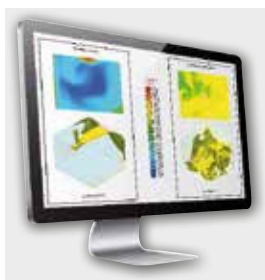
Know-how recognized both in France and internationally Approved by deciders in all types of activities

- ▶ Thermal and fluid design offices
- ▶ Refrigeration and air-conditioning installers
- ▶ Manufacturers of air-treatment machines
- ▶ General contractors
- ▶ Architects
- ▶ Users



From design (through) to service Long-term assistance:

Before



Recommendations and technical expertise

- ▶ Determining the best-possible technical / economical solution.
- ▶ Designing networks and calibrating diffusion.
- ▶ Using sizing tools.
- ▶ Simulating flows and modeling results before manufacture.

During



Product's, designing and manufacturing

- ▶ Drawing up 3D plans of networks.
- ▶ Continuously developing production tools guaranteeing flexibility, quality and economical products.
- ▶ Vanguard technology (tools, fabrics, regulations, etc.) to meet international requirements.
- ▶ Testing our products (test-bench).

After



Servicing and maintenance

-  Washing
-  Microbiological analyzes
-  Technical control
-  Repairs
-  Replacement units
-  Modifications



Contact us:



SOTECK clauger 
Air treatment + Energy efficiency 4.0

www.sotek.com - 819 758-0313 - info@sotek.com