FOR YOUR FILTRATION NEEDS
Specialists in industrial air filtration
www.altair-srl.com
Our headquarter are in Lentini, Syracuse.

Altair is one of the main industrial groups specialized in filtration, present in most of the industrialized countries through a wide net of distributors, fitters and service centres.

Our main business is the filtration of dust and fumes derived from industrial processes every time a productive process or the manipulation of solid products generate dust, Altair is able to propose the most appropriate solution.

We offer a high quality standard, result of continuous researches and strict tests on filtering medias as well as an industrial policy for development, structured in a precise programme of investment in technologies, new facilities and human resources. All this let Altair be able at present to offer a wide range of products for filtration and air purification.

Our experience covers all areas where it is necessary to carry out industrial air filtration.

Altair products are characterized by high performance and a long lifetime without comparison. The service offered by our company includes, in addition to the supply of filtering medias, an accurate study of our customers’ needs, to whom we suggest performing solutions, through a customized installation and maintenance service. Our high qualified staff is at your complete disposal to propose the best solutions to your problems of industrial filtration.

WE HAVE BEEN WORKING WITH PASSION FOR OVER 20 YEARS

02/03

WE HAVE BEEN WORKING WITH PASSION FOR OVER 20 YEARS

02/03
**INDUSTRIAL FILTRATION**

Altair cartridge filters are used in many fields of applications.

Altair products have been successfully used to filter dust from several industrial and production processes, such as:
- metal coating, sand blasting, polishing, deburring, powder coating
- grinding, mixing, filling
- dedusting of slags
- process of grinding and polishing
- aspiration of dust of thermal cutting
- pneumatic conveying

Our products are characterized by high performance and longevity without comparison.

Cartridge filters have great advantages:

- SPACE SAVINGS
- ENERGY SAVING
- LOW ENVIRONMENTAL IMPACT
- EASY TO INSTALL
- WIDE RANGE OF APPLICATIONS
- HIGH FILTRATION EFFICIENCY
- QUICK MAINTENANCE
- LONGER DURATION OF MEDIA
- REDUCED COST OF DISPOSAL
- CUSTOMIZED DESIGN

**FIELDS OF APPLICATION:**

- **WOOD**
- **FOOD**
- **COAL**
- **METAL / ALUMINIUM**
- **PAPER / CARTON**
- **LIME / CEMENT**
- **RUBBER / PLASTIC**
- **PHARMACEUTICAL**
- **CHEMISTRY**
- **SAND BLASTING**
- **LASER / PLASMA CUTTING**
- **POWDER COATING**
A WIDE RANGE OF PRODUCTS FOR EVERY KIND OF DUST COLLECTOR

06/07

CARTRIDGES OF ALL FORMS

Infinite air filtration solutions for every industrial plant

The range of filtering cartridges production features a wide variety of diameters, from 100 mm to 660 mm, and height up to 2000 mm. The features of our filters consist of simple installation, accurate construction, low consumption of compressed air required for cleaning, and competitive prices.

CARTRIDGES WITH INTEGRATED CLEANING SYSTEM (CAR 2L)

DIN CARTRIDGES (O-OF-00-05)

FILTERING PANELS

QUICK MOUNTING CARTRIDGES

SNAP RING CARTRIDGES

CARTRIDGES FOR FOOD USE
Filtration Cartridge

Infinite air filtration solutions for every industrial plant

- Gas Cartridges (Turbine)
- DIN Cartridges (O-OF-00-OS)
- ATEX-Certified Cartridges
- Special Cartridges (DPA, COM)
- Snap Ring Cartridges
- Accessories
- Threaded Cartridges
**FILTERING BAGS FOR EVERY NEED**

Environmentally friendly sleeve filters smiling to the world

Altair offers a wide range of felts and technical fabrics which are able to satisfy the highest demands of filtration efficiency. Most of the filtration problems and the environmental filtration in general require the use of the best suited filtering fabric. That is why Altair offers a complete range of media.

Felts in PES, PP, PAN, PAI, PPS, PVC, PTFE fibre come in a standard or special version with the possibility to vary the characteristics of the product with a wide range of special treatments and/or with reinforcements and blends made with special fibre.

Several felts and fabrics are also available in antistatic version, all Atex certified.

**OUR CUSTOMER CARE SERVICES**

- Dismantling and mounting sleeves
- Filtering elements monitoring
- Dust remover supervision and maintenance
- Technical advice
- Lab analysis
- Digitally designed filtering elements using CAD/CAM technology
- After-sales assistance
- Lab tests for degradation, permeability and penetration of polluting dust

**TREATMENTS**

- Surface smoothing
- Flame retardant
- Hydro-oleo repellent
- Silicon-based anti-adherent
- Teflon membrane
- Antistatic with stainless steel fibres
- PTFE impregnated
- Singeing

**LOTS OF DIFFERENT MODELS TO SATISFY YOUR NEEDS**

- Dismantling and mounting sleeves
- Filtering elements monitoring
- Dust remover supervision and maintenance
- Technical advice
THOUSANDS OF COMBINATIONS

Endless models, endless customization possibilities of the filter

We develop all types of on-demand solution, combining form, fabric, size, flanges and fittings in over 5000 models.

SEALS

01. Seals felt square section.  
02. Neoprene gasket square section.  
03. Seals foam board triangular section.

PLASTIC AND METAL GRID

01. Plastic grid.  
02. Metal grid.

RIBBON

01. Clamp Altair.  
02. Clamp Atex-certified.  
03. Internal finishing with hot glue.

BOTTOMS

01. ABS bottoms.  
02. Metal bottoms.  
03. Stainless steel bottoms.

OVER 5000 CUSTOM COMBINATIONS

01/02. Pleat spacing sample.

PLEATING MACHINES

01. Rollers pleaters.  
02. Blade pleaters.

PLEAT SPACING AND FILTERING MEDIA
**OUR FILTERING MEDIA**

We constantly control and analyze the filtering media we use to create our products.

We strictly analyze the features of the filtering media used for the production of our filters to ensure maximum filtration results and performance. Flame retardant treatment is available on request on the entire range of fabrics.

**OUR MAIN MEDIA**

- 6066
- 7033
- 6066-AL
- 8020
- COL 160P
- COL 200B
- COL 270B
- COL 270B-AL
- COL 270B-OWR
- COL 270B-TF
- COL 270B-TFMA
- NWEB

**FILTRATION LEVEL**

<table>
<thead>
<tr>
<th>Sufficient</th>
<th>Discreet</th>
<th>Good</th>
<th>Excellent</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Sufficient" /></td>
<td><img src="image2" alt="Discreet" /></td>
<td><img src="image3" alt="Good" /></td>
<td><img src="image4" alt="Excellent" /></td>
</tr>
</tbody>
</table>

**DUST/FUMES**

| Wood smoothing powder | Wood grinding powder | Sawdust | Metal sand-blasting powder | Ceramic shot-blasting powder | Laser cutting fumes | Plexiglass laser cutting | Stainless steel cutting fumes | Plasma cutting fumes | Fertilizer powder | Silicate | Drug powder | Powder coating | Paper powder | Lean metallic powder | Rich metallic powder | Cast iron powder | Steel shot-blasting powder | Stone shot-blasting powder | Cast iron grinding powder | Steel grinding | Metal milling powder |
|----------------------|---------------------|---------|-----------------------------|-----------------------------|------------------------|------------------------|-------------------------|------------------------|------------------|----------------|-----------|-------------|----------------|-------------|----------------------|---------------------|----------------|---------------------|----------------------|----------------|----------------|----------------|
| ●                    | ●                   | ●       | ●                           | ●                           | ●                      | ●                      | ●                       | ●                      | ●                | ●              | ●          | ●           | ●               | ●               | ●                    | ●                   | ●              | ●                   | ●                    | ●              | ●              | ●              |
**FOCUS ON OUR PRODUCTS**

Do you want to know more about the treatment and the quality of the filter media?

Altair uses only top quality filtering materials, such as polyester, polypropylene, cellulose, all certified by the German IFB-IGA Institute. The wide range of finishing treatments includes Teflon coating, waterproofing, oilproofing, flame retardant treatment, anti-static coating, etc.

Our products are the result of ongoing activities of research and rigorous inspections and are distinguished by an elevated performance and longevity without comparison.

Our production process is characterized by maximum flexibility. Each department has state-of-the-art machines; production processes are optimised daily.

---

**MEDIA SPECIFICATIONS**

<table>
<thead>
<tr>
<th>Type</th>
<th>Materials</th>
<th>Weight (gr/m²)</th>
<th>Permeability to air (m³/m²/h a 200 pa)</th>
<th>Max Temp. (°)</th>
<th>Treatment</th>
<th>BIA category</th>
<th>Oil/Water</th>
<th>Hydrolysis</th>
<th>Acids</th>
<th>Alkali</th>
</tr>
</thead>
<tbody>
<tr>
<td>6066</td>
<td>Cellulose</td>
<td>213</td>
<td>630</td>
<td>60°</td>
<td>-</td>
<td>M</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>7033</td>
<td>Cellulose</td>
<td>129</td>
<td>950</td>
<td>60°</td>
<td>-</td>
<td>M</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>6066-AL</td>
<td>Cellulose</td>
<td>213</td>
<td>350</td>
<td>60°</td>
<td>Aluminum coating</td>
<td>M</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>8020</td>
<td>80% Cellulose 20% Polyester</td>
<td>130</td>
<td>570</td>
<td>80°</td>
<td>-</td>
<td>M</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>COL 16P</td>
<td>Polypropylene</td>
<td>160</td>
<td>500</td>
<td>70°</td>
<td>-</td>
<td>M</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>COL 208B</td>
<td>Polyester</td>
<td>200</td>
<td>1200</td>
<td>130°</td>
<td>-</td>
<td>L</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>COL 270B</td>
<td>Polyester</td>
<td>270</td>
<td>950</td>
<td>130°</td>
<td>-</td>
<td>L</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>COL 270W</td>
<td>Polyester</td>
<td>270</td>
<td>500</td>
<td>130°</td>
<td>-</td>
<td>L</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>COL 270B-AL</td>
<td>Polyester</td>
<td>270</td>
<td>670</td>
<td>150°</td>
<td>Aluminum coating</td>
<td>M</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>COL 270B-TF</td>
<td>Polyester</td>
<td>270</td>
<td>1100</td>
<td>150°</td>
<td>Aluminum coating</td>
<td>M</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>COL 270B-QWR</td>
<td>Polyester</td>
<td>270</td>
<td>900</td>
<td>130°</td>
<td>Oleo-hydrophobic</td>
<td>L</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>COL 270B-TPM</td>
<td>Polyester</td>
<td>280</td>
<td>250-450</td>
<td>130°</td>
<td>Membrane in teflon</td>
<td>M</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>COL 270B-TPMA</td>
<td>Polyester</td>
<td>280</td>
<td>180-300</td>
<td>130°</td>
<td>Teflon membrane</td>
<td>M</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>NWEB</td>
<td>100% Cellulose + Nanofibers</td>
<td>140</td>
<td>277</td>
<td>82°</td>
<td>Nanofibers</td>
<td>M</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>
CONTROL SYSTEMS

Our electronic control systems enhance the filtration performance of industrial plants and they help in the optimisation of plant management.

Altair can offer a wide range of electronic devices to enhance the performance of filtration plants, which in modern industrial processes requires both flexibility and easy management, characteristics that are the basis of Altair electronic devices, designed and assembled with the most modern available techniques.

DIGITAL CYCLICAL TIMER
Cyclic programmer

SF8-12 ECONOMIZER
Economizer bus system

GFP 4-16 DIGITAL CYCLICAL TIMER
Cyclic programmer

GFQ4-102 DIGITAL CYCLICAL TIMER
Cyclic programmer

GFQ4-102 ECONOMIZER
Economizer

SM1 MASTER
Economizer bus system

PN1
Cyclic programmer

ACCESSORIES