

INDUSTRIAL DUST EXTRACTION SOLUTIONS

www.formula-air.com



Direct service

If you need standard products, we can ship a wide range of ducting items and ventilators from stock from our Belgium Logistics centre within 48 hours.

Engineer Service

If you are looking for a non-standard product or installation, our technical engineers can co-develop the solution. We can produce the engineered items in one of our factories.

Consult Service

If you have a specific problem for your dust extraction, our team can propose and offer a complete solution, build out of standard products.

Technical pool

Our engineers can design a solution based on your briefing, including complete technical information and drawings.

Formula Air

Your partner in industrial dust extraction.

Over 30 years we have been manufacturing and distributing industrial dust extraction products in Europe. We can support you by providing the best air quality solutions with the right expertise, ready-to-use techniques and innovations.

Our aim is to contribute to a clean & safe working environment by providing you the best dust extraction solutions ensuring:

- easy access to standard products,
- energy efficient solutions for industrial processes,
- reliable partnership and seamless customer service,
- increased productivity & improved profitability.





200 Formula Air Group employees





8 000 m² **Production facilities**

60 000 Products in stock

#FORMULAAIRLIFE



Formula Air duct systems

Easy to assemble duct systems for any industry.

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We offer ducting in a comprehensive range of diameters and accessories for fast and easy installation, and our products can be used for particle transport, welding extraction and similar.

You can choose material, connection method and various other options for your dust extraction solution.

- One-stop shop for all installation components.
- Easy to assemble.
- Easy to take apart when cleaning or reconfiguring.
- Easy to connect to other systems. •
- All products tested.
- 100% airtight options for oil mist.
- Laser-welded ducts for a smoother surface.
- Full welded range is also available.

One-stop shop for duct systems

Full product range is available and most sizes in stock

Galvanized & AISI ducting components

2 & 3 mm powder coated ducting components



- Produces less pressure loss compared to spiral ducting.
- Designed for easy cleaning and replacement.
- Can be cut and resized, unlike rolled edge ducting.
- Available in lengths of up to 2 m.

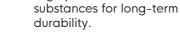
Other available materials:

- 2 & 3 mm hot dipped galvanized;
- 2 & 3 mm AISI 304;
- Aluminium.



Highly resistant to corrosive







- between ATEX valves and filters.

High vacuum ducting components



- Designed to withstand high-speed environments.
- Resistant to wear, corrosion and harsh industrial environments.

To find out more about our ducting, scan the QR code





Full welded product range in 1.5 mm thickness



Laser welded

Ø80-Ø1000.

pipes



Laser welded pressed bends

> Made from two pressed halves, in diameters Ø80-Ø275 with 6 mm flat edges.



Made from Sendzimir plates,

available in diameters

Branches and trousers

Hand-welded in Ø80-Ø1000, available in 30°, 45° branches, T-branches and double branches. Galvanized with 6 mm flat edges.

Tapers and other components

Hand-welded tapers, throttle valves and transition pieces are available. All have 6 mm flat edges.

Leaks of oil mist, cutting fluids, cooling fluids or other mist-form substances from machinery and ductwork create health and safety hazards for workers.

Our full welded product range is designed to minimize air leakage. We offer:

- wide range of products and sizes diameters Ø80-Ø1000 for various applications,
- lightweight products most items steel thickness 1.50 mm, made of Sendzimir plates,
- cost-effective solution the cheaper lightweight solution for heavy-gauge ducting,
- easy to assemble range a wide selection of • connecting components.



- 1 Suction ducting; 2 - Oil mist filter:
- 3 Delivery ducting; 4 - Industrial fan:



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Segmented bends

Galvanized, in diameters Ø275 and above with 6 mm flat edges.



Connecting components

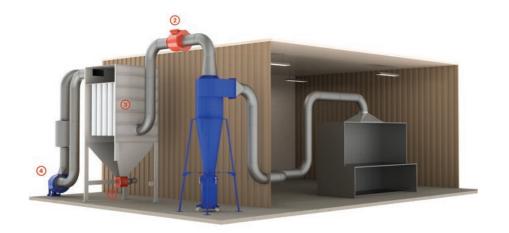
We offer various strong rings and seals to ensure full airtightness.

To find out more about the full welded range, scan the QR code



Your one-stop-shop for ATEX Certified Products

At Formula Air, we are dedicated to providing comprehensive solutions that align with the 2014/34/EC ATEX Directive, delivering top-notch protection against the effects of explosions.



PROTECTING DUST EXTRACTION SYSTEM INSTALLATIONS

- 1. RVA-X Rotary Valve;
- 2. ATEX Explosion Isolation Valve;
- 3. ATEX Filter;
- 4. ATEX Fan;

ATEX Certified Products



Explosion Isolation Valves

Reliable protection against the spread of explosions, safeguarding personnel, equipment and the surrounding environment.

- Handles all kinds of different dusts.
- Wide selection of executions and sizes to fit different industrial processes.
- Completely mechanical, requiring practically no maintenance.



Other ATEX products:

Fire dampers Throttle valves Fans

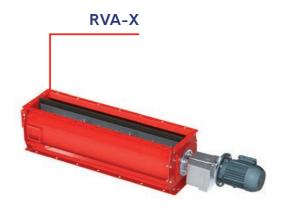
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To find out more about our ATEX solutions, scan the QR code







Rotary Valve

A protective system that prevents or blocks explosions and discharges dust from vessels such as filters, cyclones, silos, or other storage units.

- Automated dust discharge.
- Easily replaced standard spare parts.
- Shipped out within 24 48 hrs across the EU.
- Filters
- Sliding dampers
- Venting panels
- Extinguishing systems



High efficiency centrifugal fans

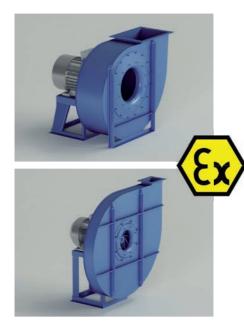
Formula Air fans cover an air volume from 50 to 288.000 m³/h for the low, medium or high pressure environments. We offer a wide range of fans in order to assure a solution for all types of industries.

Clean air models

Drying, air conditioning, cooling, pressurizing, ventilation and various gases, dust extraction.

Loaded air models

Sawdust, various types of shavings, granular material, fiber material and pneumatic transport or centralized cleaning.



- Low, medium or high pressure.
- Hot dipped galvanized steel, AISI 304 or AISI 316.
- Direct or belt driven.
- 6 executions.
- Standard or ATEX certified.
- Air flow up to 288 000 m³/h.
- Pressure up to 25 000 Pa.
- Sizes from 220mm up to 1800mm.
- Installed motor power **up to 315 kW**.
- Standard RAL 5010 execution.



Most fan models in stock







OTHER PRODUCTS



Acoustic booths





Motors





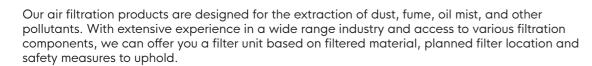




Silencers

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ATEX filters available for potentialy explosive atmosphere.









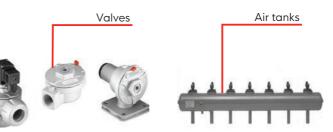
Sleeve filters

- High performance sleeve filters with pneumatic cleaning used in wood, paper, cardboard & plastic industries.
- Up to 10 000 m³/h.

Oil mist filters

- Made for separating oil mist aerosols in process air from processing machines, where cooling lubricants are used.
- Up to 16 000 m³/h.

Filter accessories













Designed for filtration of welding smoke, grinding dusts, cutting smoke and dusty air containing metal, rocks, plastics or various powder mixes. Up to 100 000 m³/h.



High vacuum filters

- Compact units for high vacuum.
- Used as vacuum cleaners or connection to hand tools.
- Up to 1 500 m³/h.



Proven solutions with fume extraction products for metalworking



Fume extraction components for various metalworking operations including grinding, turning, machining, drilling and surface treatment.

Flexible fume extraction arms

- Hanging or standing version.
- Can be mounted on walls or tables.
- Standard length up to 4 m and rotational extensions are available.
- ATEX certified version available .

Suction tables & suction walls

- Various hanging, mobile or stationary fume extraction products.
- High suction level.

Formula Air

Fans for extraction arms

- Can overcome significant air flow resistances.
- · Particularly efficient within the local exhaust systems.





















Components for complete projects in any industry



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