

WONDAIR™ Max

DEFY THE DUST



Bringing clean air to life.®

WONDAIR™

WONDAIR™



**WHERE THERE IS A CHALLENGE,
THERE IS A WONDAIR™.**

WONDAIR™ is the industrial air filtration range of bag dust collectors that perfectly blends endurance, adaptability, and generational thought, to efficiently manage the most challenging dust, in the most extreme environmental conditions.

WONDAIR™ range is not a new player, but it is certainly a game-changer. Bringing unique in the market features into the most complex projects, to save you time, cost and maximise performance.

Get the best filter fiber for your process, access all the bags in just one movement or benefit from an easier installation and maintenance thanks to its innovative design.

Choosing WONDAIR™ means entrusting a range of four tried and tested modules which can handle it all, so you can feel at ease knowing that the complex dust challenge within your sector is covered.

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THE GUARDIAN AT YOUR DOOR



WONDAIR™ Max

WONDAIR™ Max, the best-in-class bag dust collector engineered for large airflows and high dust concentrations. Designed to handle airflow capacities ranging **from 15,000 m³/h to over 150,000 m³/h**, this modular system offers unmatched adaptability with the option to add additional modules as needed.

In challenging environments where dust particles and pollutants pose risks, WONDAIR™ Max excels, delivering superior efficiency and maintaining air quality to safeguard your industrial processes and the environment. Beyond mere dust collection, WONDAIR™ Max could work as a process filter capable of offline and online operation through continuous pulse-jet cleaning.

WONDAIR™ Max is the reliable solution for the high-volume of your industrial application needs.

PERFECT MATCH WITH



Food &
Beverage



Metalworking
Industry



Industrial
Minerals



Foundries



WONDAIR™ Max

is

GENIUS
STRONG
VERSATILE

Industrial Air Quality is above all, our purpose, our promise. We are committed to protecting industrial workers from breathing harmful pollutants and the environment from unnecessary pollution while ensuring maximum efficiency in any industrial sector. The result is a more productive, efficient and a healthier world.

SUPER GENIUS

WONDAIR™ is a range designed from ingenuity to offer the best conditions both in its production and in its subsequent use.

MODULARITY

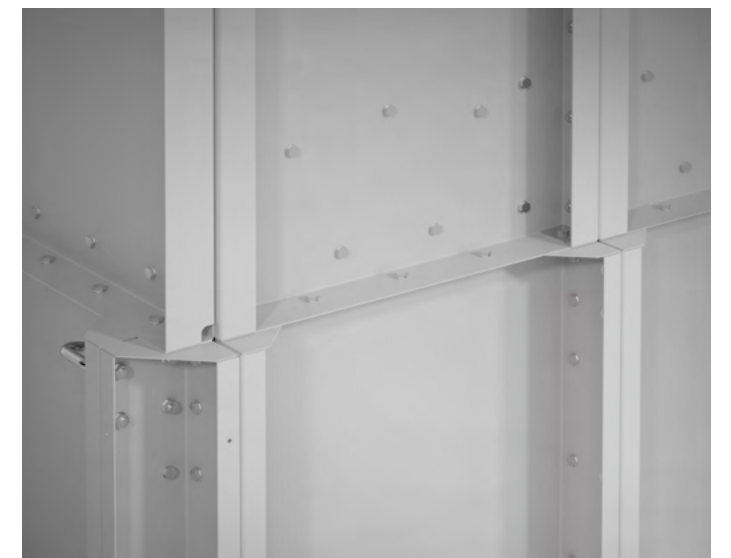
INTELLIGENT ASSEMBLY

INNOVATIVE ASSEMBLY

For optimal adaptability

Prioritising intelligent assembly over traditional welding methods ensures equipment that is not only robust but also incredibly adaptable. Unlike welded structures, assembled units can be easily adjusted to fit the spatial constraints of any plant.

This flexibility minimises downtime during installation and allows for seamless modifications as operational needs evolve.



SMART ASSEMBLY

Bringing modularity

The smart assembly process enhances the modularity of WONDAIR™ Max, enabling quick and efficient maintenance or upgrades.

The precision and quality of the assembly techniques ensure a superior finish and long-lasting performance, making the equipment a reliable and efficient choice for your industrial needs.



**A MODULAR APPROACH THAT ENSURES
EFFICIENCY AND OPTIMAL PERFORMANCE**

LIKE BUILDING BLOCKS

Imagine an equipment that resembles building blocks: the same component used in smaller models can be utilised to construct larger units.

FAST DELIVERY

And simplified logistics

By reducing the size of the equipment, the delivery time is significantly shortened. Modular parts can be quickly assembled, speeding up the overall project timeline.

WONDAIR™ Max is designed to be container sized within the cross-section of a standard truck. This compactness simplifies transportation logistics, making it more cost-effective and environmentally friendly.

EFFICIENCY

And safe work practices

The innovative assembly technique allows for equipment reduction in the size without sacrificing functionality.

Mitigating risks associated with working at heights. This safer approach enhances the overall working environment, ensuring the well-being of our workers.



SUPER STRONG

WONDAIR™ Max is an equipment that stands up to all. Aggressive temperatures, sticky dust, humidity applications, high inlet loads... and more....

Rugged materials, long-lasting paint and leak-proof assembly are just some of the reasons that make these units and their filters the most durable ones on the market.

RESISTANT TO HIGH TEMPERATURES

Designed to withstand high temperatures, this equipment is perfect for industrial applications where extreme heat is present.

The materials and paint used ensure its resilience in challenging environments, guaranteeing optimal performance even under the most demanding conditions.

+ LEAK PROOF

Its construction prevents gaps or small cracks avoiding possible leaks.

+ HIGH-QUALITY MATERIALS

Robust but not heavy materials that give the best performance.

+ LONG-LASTING PAINT

The paint's resilience contributes to prolonged efficiency and functionality in challenging industrial environments.



“Strength comes from experience,
from well-tested solutions”



AN EFFICIENCY
LEVEL OVER 99%

High operating air-to-cloth ratio, and excellent dust cake release at minimum pressure loss through individual highly engineered synthetic fabric bags.

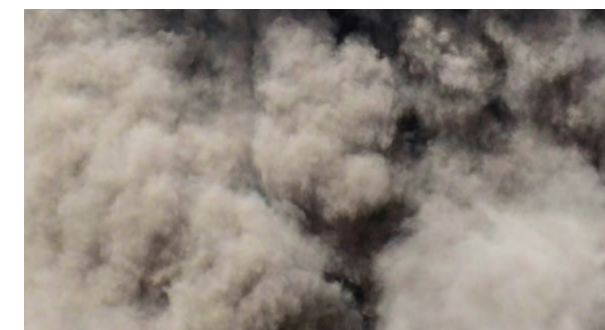
SUPER VERSATILITY

WONDAIR™ is a range that fits, every time. Being the manufacturer of every part of the filtration system allows us to ensure this. Select the WONDAIR™ that adapts best to your dust, your space, your needs!

“The air-filtration range that overcomes all challenges”

Adapted to your dust

Beyond the standard version of each equipment, the WONDAIR™ range can be adapted to each case, to each space and dust type. Every project begins with a comprehensive understanding of the industrial process needs, through a meticulous Dust Study. This allows to determine the most efficient fibre or filtering material for each scenario, while proposing the configuration that best suits the installation's requirements.



The power of choice

The efficient handling of different types of dust in industrial applications is achieved by selecting the material that best suits the needs of the process. Bags can provide exceptional performance, as long as the appropriate filter medias and materials are chosen. In this way, not only will performance be improved, but time and costs will also be saved.



Dust Study™

The perfect media for your dust

Bags can provide exceptional performance, as long as the appropriate fabrics and materials are chosen.

MAIN FILTRATION MEDIAS

Acrylic

- | Acrylic with teflon treatment
- | Acrylic with membrane

Antistatic Polyester

- | Antistatic polyester
- | Antistatic polyester with membrane
- | Antistatic polyester with teflon treatment

Fibreglass

- | Fibreglass with membrane

Polyester

- | Polyester with teflon membrane
- | Polyester with teflon treatment

Polypropylene

- | Polypropylene

Teflon

- | 100% teflon

RESISTANT TO



Acid



Alkaline



Oxidants
agent



Solvents



Humidity



Hydrolysis



Abrasion

YOUR OWN WONDAIR™ MAX STEP 1 CHOOSE...

A SIZE

WONDAIR™ Max has you covered with a range of sizes based on the length, available in 6, 8, 10, 12, or 14 feet, and the number of bags.

Airflow range:

15,000 m³/h to 150,000 m³/h

Can house **between
88 and 704 bags.**

A FINAL ARRANGEMENT

WONDAIR™ Max is highly versatile dust bag collector, offering different configurations to adapt to the needs of each application.



WONDAIR™ Max
Arrangement A



WONDAIR™ Max
Arrangement B



WONDAIR™ Max
Arrangement C

WONDAIR™



Bringing clean air to life.®

A light gray world map is centered in the background of the page, showing the continents of North America, South America, Europe, Africa, Asia, and Australia.

AAF International

Filtration has been at the heart of our business since 1921 and thanks to the high calibre of our products and services, we are trusted by many of the world's leading power and industrial companies. We provide our customers with the expertise, the solutions and the best available filtration technology to increase operational performance. Bringing clean air to life, our products provide the highest levels of indoor air quality, the lowest environmental emissions and the optimum safety conditions for employees and the wider community.

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