

**WONDAIR™** Mid

# 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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# POWER COMPACTED



## WONDAIR™ Mid

Keeping the same compact size and easy maintenance features as the WONDAIR™ Lite, the WONDAIR™ Mid meets the demand for larger airflows between **4,000m³/h and 20,000m³/h**. Its intelligent design effectively reduces freight and installation costs, requiring only a minimal space envelope.

WONDAIR™ Mid introduces a new level of versatility with its modular concept, offering a high capacity comparable to larger units while retaining a compact size and reduced footprint.

It is not only easy to install and maintain but also complies with the stringent efficiency requirements demanded by current environmental regulations, making it a robust solution for different industrial applications.

## PERFECT MATCH WITH



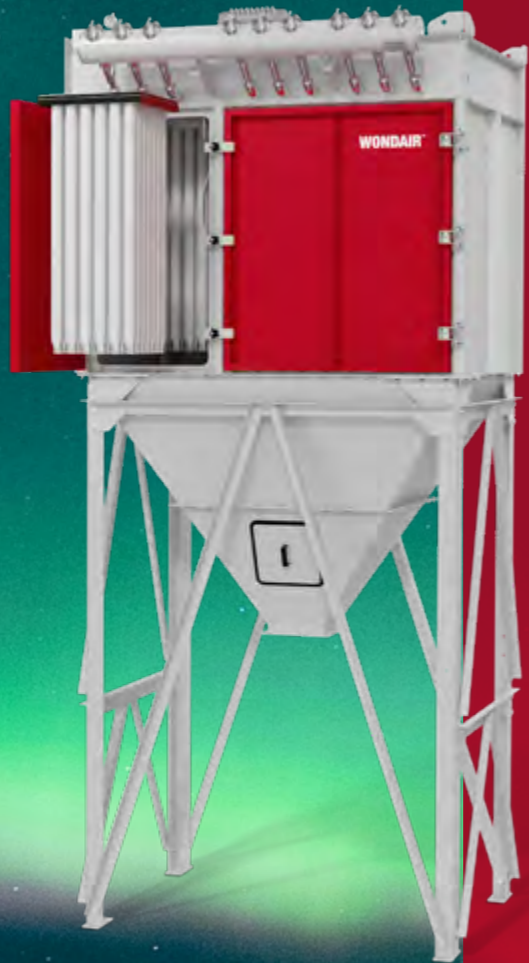
Food &  
Beverage



Metalworking  
Industry



Industrial  
Minerals



WONDAIR™ Mid

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.

REDClean® Slide

## EASIER ACCESS, SIMPLE MAINTENANCE

AAF international offers a unique bag system applicable to WONDAIR™ Lite and WONDAIR™ Mid, the REDClean® Slide. The use of REDClean® Slide along with the choice of the filter media would be the perfect combination for exceptional performance.

- + CARBON STEEL
- + STAINLESS STEEL AISI 304
- + STAINLESS STEEL AISI 316



Handle several bags  
in a single touch

REDClean® Slide makes possible to handle a specific set of bags in a single operation, with direct access from the side of the equipment for efficient and easy maintenance. Available in different sizes, 32, 42, and up to 50 bags, allowing for the extraction and replacement of all of them in one go.



## MODULARITY

# COMPACT CONVENIENCE

At AAF, we believe that if a solution isn't easy, it's probably not a solution.

WONDAIR™ Mid is a dry bag dust collector that adapts to a wide range of air flows in the easiest and fastest way possible.

A compact design that allows it to respond to larger airflows, demonstrating a high filtration capacity compared to other larger equipment, while occupying minimal space in the plant.

WONDAIR™ Mid adapts to the needs of your industry and application, allowing it to be placed anywhere in the plant, offering a compact and modular solution.



# SUPER STRONG

WONDAIR™ Mid 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 types. 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

- | Fiberglass 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



## WONDAIR™ MID FITS ANY INDUSTRY



Food &  
Beverage



Industrial  
Minerals



Metalworking  
Industry

## AND ANY APPLICATION

### + MATERIAL PROCESSING:

- Drying
- Granulating
- Mixing

### + MATERIAL HANDLING:

- Emptying/Filling  
of Big-bag and  
sacks
- Weighing

### + BULK HANDLING:

- Eco-hopper
- Weighing

### + BULK TRANSPORT

- + MATERIAL  
PACKAGING

## YOUR OWN WONDAIR™ MID STEP 1 CHOOSE...

### A SIZE

WONDAIR™ Mid has you covered through a range that includes different sizes depending on the length of the bags, of 3 or 6 feet, and the number of bags included in the cassette. This provides up to 6 different models to cover airflow

Airflow range:

**4,000 m³/h to 20,000 m³/h**



Can house between  
**42 and 420 bags**

### A DISCHARGE SYSTEM

Depending on your installation, application or the process performance, the option of selecting the discharge system will help you to accommodate the dust management based on your specific needs.



Rotary Airlock

Slidegate

Screw conveyor

Drum

## A FINAL ARRANGEMENT

WONDAIR™ Mid is a highly versatile dust collector that offers various configurations to adapt to the needs of each application. It can be integrated directly into the application or perform as a stand-alone bag dust collector.



# YOUR OWN WONDAIR™ MID

## STEP 2 ADD OPTIONS...

### EXPLOSION VENTING SYSTEM

**For a greater adaptability  
to the existing process**

Different ATEX compliant options to increase security when handling combustible or potentially explosive dust are available, both on indoor or outdoor installed equipment.

### ATEX CERTIFIED



**For explosive  
atmospheres**

WONDAIR™ Mid can be specifically manufactured for being used in potentially explosive environments in full compliance with ATEX Directive 2014/34/EU for use in hazardous areas.



### OUTLET FLANGE ADAPTERS

**For a greater adaptability  
to the existing process**

Different adapters are available to meet the requirements of different applications and/or flow rates.



# 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.

[aafintl.com](http://aafintl.com)

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