

WONDAIR™ Lite

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 PLUG & PLAY WONDER



WONDAIR™ Lite

WONDAIR™ Lite, the compact version of the WONDAIR™ Mid can be provided in several arrangements depending upon the required application in a range of air flows **up to 4.000m³/h**.

A Plug & Play solution incorporating all the necessary elements for an easy and quick setup. Also characterized by a unique bag filtration system known as the cassette, simplifying maintenance through convenient side access.

With its compact design and minimal footprint, WONDAIR™ Lite combines efficiency and space-saving, making it a versatile air filtration solution that merges practicality with powerful performance to adapt to any small application or industrial process.

PERFECT MATCH WITH



Food &
Beverage



Chemical
Industry



Industrial
Minerals



Pharmaceutical
Industry



WONDAIR™ Lite

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.





PLUG
& PLAY

TO SAVE ON TIME AND HASSLE

WONDAIR™ Lite has been meticulously designed to ensure easy operation by minimizing space requirements, reducing maintenance time, and mitigating safety risks. This compact solution delivers exceptional value while maintaining optimal efficiency.

Discover WONDAIR™ Lite main components that simplify use and improve efficiency.



01

Soundproof fan

For less noise

Built-in fan on top of the unit typically with a soundproof box protection that helps reduce the noise to levels lower than that generated by external ventilation systems



02

Compressed air manifold

To ensure performance always at highest levels

Built-in compressed air cleaning system, accessible to streamline and simplify maintenance and repair operations.



03

Electrical panel

As easy as switching the on-off button

Compact and highly intuitive, making the fan and cleaning controller start-up easier and faster. Industrial equipment as intuitive and simple to manage as domestic lighting.



04

Dust bin

For larger capacity

Offers a larger storage capacity (100l) than the average capacity offered by similar units on the market.



SUPER STRONG

WONDAIR™ Lite is an equipment that stands up to it 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.

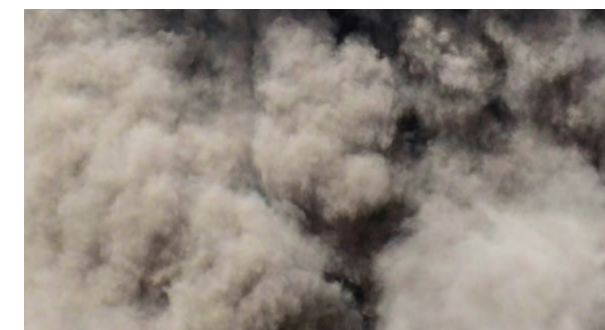
SUPER VERSATILITY

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



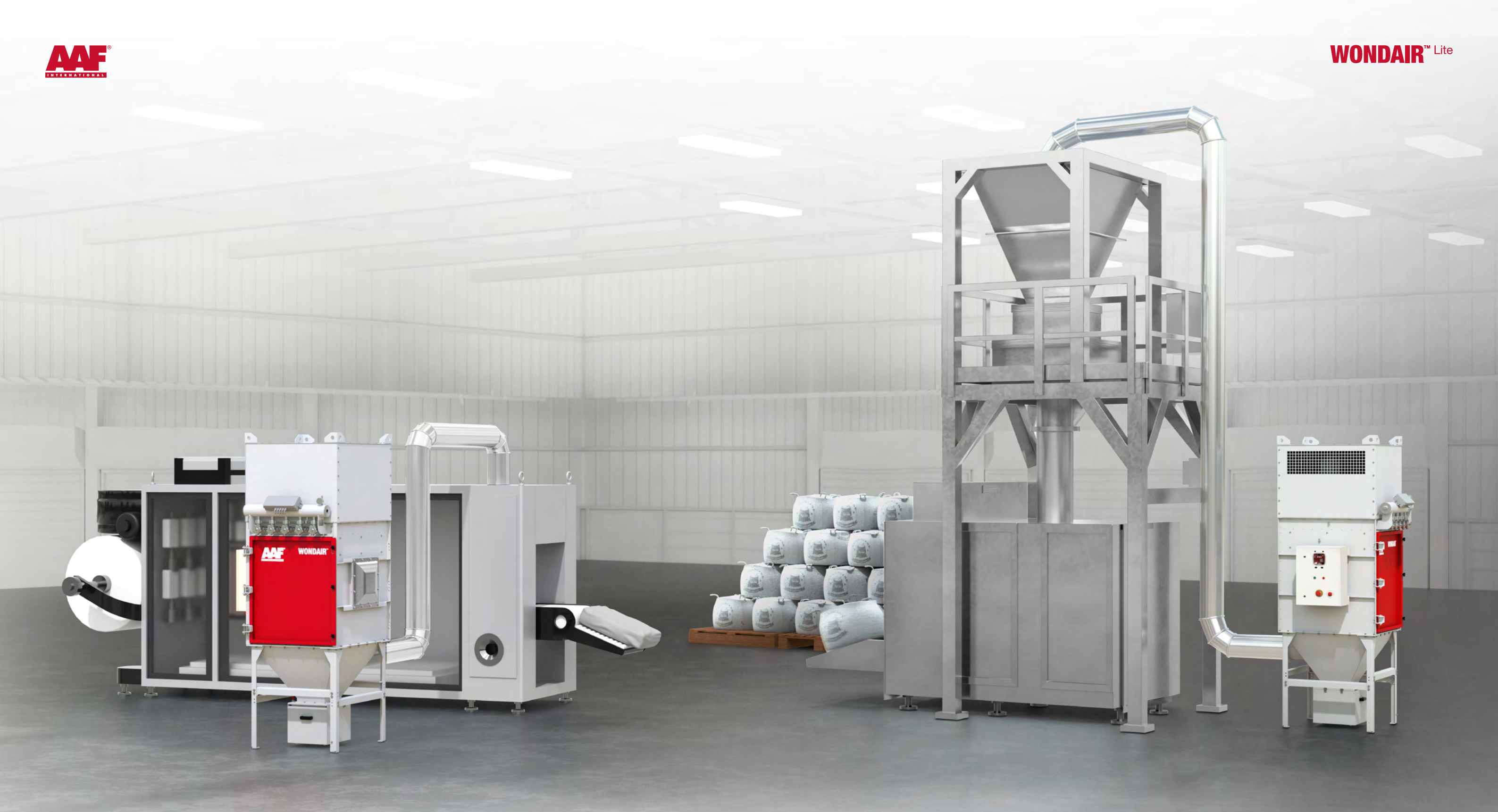
Humidity



Hydrolysis



Abrasion



WONDAIR™ LITE FITS ANY INDUSTRY



Food &
Beverage



Industrial
Minerals



Chemical
Industry



Pharmaceutical
Industry

AND ANY APPLICATION

+ MATERIAL PROCESSING:

- Drying
- Granulating
- Mixing

+ MATERIAL HANDLING:

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

+ BULK HANDLING:

- Silo Venting
- Weighing

+ BULK TRANSPORT

- + MATERIAL
PACKAGING

YOUR OWN WONDAIR™ LITE

STEP 1 CHOOSE...

A SIZE

WONDAIR™ Lite 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:
Up to 4,000 m³/h



Can house between
42 and 100 bags

A VENTILATION SYSTEM

WONDAIR™ Lite is available in three different ventilation configurations



Model V as a self-venting unit with not fan included.



Model M with integrated fan.



Model MI with integrated fan and with soundproof cabin.

A FINAL ARRANGEMENT

WONDAIR™ Lite are highly versatile dust bag collectors, offering various configurations to adapt to the needs of each application. It can be integrated directly into silos to balance the type of pressure used by the application, effectively supporting the process and improving its performance.



YOUR OWN WONDAIR™ LITE

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™ Lite 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.



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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