

AIVY RC™



STATE OF THE AIR



AAF[®]
INTERNATIONAL
Bringing clean air to life.®

AIVY™



AIVY™



STATE OF THE AIR is bringing air back to its natural origins. With the power to inspire pioneering, innovation and purity.

The **AIVY™ range** of air filtration solutions has been designed to provide the most **compact, efficient, and durable option** on the market. A cutting-edge range of cartridge dry dust collectors designed to ensure clean and safe air for any industry.

AIVY™ is specifically designed and adapted to your needs by a multidisciplinary, motivated and experienced technical team. People who became experts with a deep understanding of the demands of every industry, as a result of the long-term close collaboration with a variety of companies from different sectors.

We challenge ourselves every day to ensure the **optimization and environmental quality control of your workspaces. Innovating** through the perspective of our **responsibility to both people and the planet.**

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BORN FOR BIG CHALLENGES



AIVY RC™

AIVY RC™ is a cartridge dry dust collector highly efficient in a wide range of air flows: from **600 CFM to 80,000 CFM**. This is a result of its modular design, which allows for an increase in the number of cartridges by simply adding additional modules.

It's integrated compressed air cleaning system allows continuous operation for prolonged periods of time, ensuring a constant pressure drop, with an easily accessible location for simple maintenance.

It minimizes abrasion of the filters by improving the distribution of the dust in the dirty air plenum, thanks to its larger air inlet that reduces air inlet speed. *The result:* longer life cycle and greater filtration capacity.

Extremely adaptable, its final configuration and optional components can be defined in accordance with any customer's specifications, which makes this equipment a highly flexible filtration solution while at the same time efficient, even when used in the most challenging industrial applications.

PERFECT MATCH WITH

- | | |
|---|---|
|  Food & Beverage |  Chemical Industry |
|  Metalworking |  Pharmaceutical Industry |
|  Industrial Minerals |  Waste & Recycling |
|  Wood, Pulp & Paper | |



AIVY RC[™]

is

**INNOVATIVE
RESPONSIBLE
EASY
ADAPTABLE**

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, more efficient, and a healthier world.

AIVY RC[™]
IS THE RESULT OF OUR
PROMISE OF CONSTANT
IMPROVEMENT

INNOVATIVE

An R&D team always striving for more, for better. The AIVY[™] range is bringing exciting innovations to the filtration market.

“Because achieving a better future may be a matter of taking small steps, rather than big leaps.”

ADDING MORE SIMPLICITY IN MAINTENANCE

New door system

Our R&D efforts to provide the easiest functionality and the fastest maintenance has resulted in a new vertical door system which offers speed and efficiency during cartridge change-out operations, but also the durability and high-level performance an efficient dust collector requires.

With a multi-hole cartridge door designed for 180° opening, filters can be quickly accessed and replaced.

The new design also features multi screw-on and robust hinges ensuring a tight seal and long-term durability.

Simplified maintenance, as a result of designing from the user's perspective.



IMPROVING PERFORMANCE

New filter support system

AIVY RC[™] introduces a new filter support structure that eliminates the need of a mandril to support the cartridges. This new design decreases resistance to clean air passing through the cartridges to reach the clean chamber resulting in a notable improvement in pressure drop reduction*.

The removal of mandrils that internally support cartridges enables an easier and quicker operation during cartridge change out.

Improved performance as a result of our R&D team's quest for constant improvement.

*In comparison to other equipment operating in the same filtration range in the market.



RESPONSIBLE

WE LIKE TO PRACTICE
WHAT WE CALL
**RESPONSIBLE
INNOVATION.**

The desire to do our bit for both the planet and the people who make it up is the driving force behind this product range. AIVY™ is a range with a purpose and, above all, committed to it.

Introducing

NANOFIBER

Game-changing media

ENHANCED FILTRATION EFFICIENCY

The improved nanofiber outer layer of our REDClean® cartridges marks a turning point in filtration efficiency. An AAF proprietary and patented technology that also ensures greater durability and a decrease in the frequency of cartridge replacement.

In addition, thanks to excellent dust release and lower pressure drop, it enhances the energy reduction of the range.

In short, durability, energy and time savings, but above all the security of having the most innovative and efficient cartridges on the market.



REDClean® Media

REDClean® NFR

Nanofiber high-performance cartridge with a flame-retardant finish to increase safety, slowing down combustion and flame propagation when handling dust with incandescent particles.

REDClean® C

Providing filtration efficient carbon impregnated media, the REDClean® C excels at meeting the needs of pungent, odorous applications

REDClean® M

For applications with higher humidity the REDClean® M offers durable filtration with a polyester and fiberglass media blend.

REDClean® M HT

The REDClean® M HT is a high temperature version for difficult applications with operating air temperatures up to 275°F.

REDClean® SA

A high-strength spunbond polyester media made for abrasive and/or high humidity applications together with an anti-static finish for safety with potentially combustible applications.



**SIGNIFICANT
ENERGY SAVINGS**
For a better world

UP TO 20%

AIVY™ features up to 20% reduction in energy consumption.

The innovations applied to the construction system guarantee optimized performance and lower pressure drop, which allows for an increased reduction in the total cost of ownership of the air filtration solution.

EASY

WHEN LESS
IS MORE

AIVY RC™ has been designed to take up as little space as possible, to spend as little time as possible on maintenance and to avoid safety issues affecting your production. In short, offering so much has never taken so little.

MODULARITY

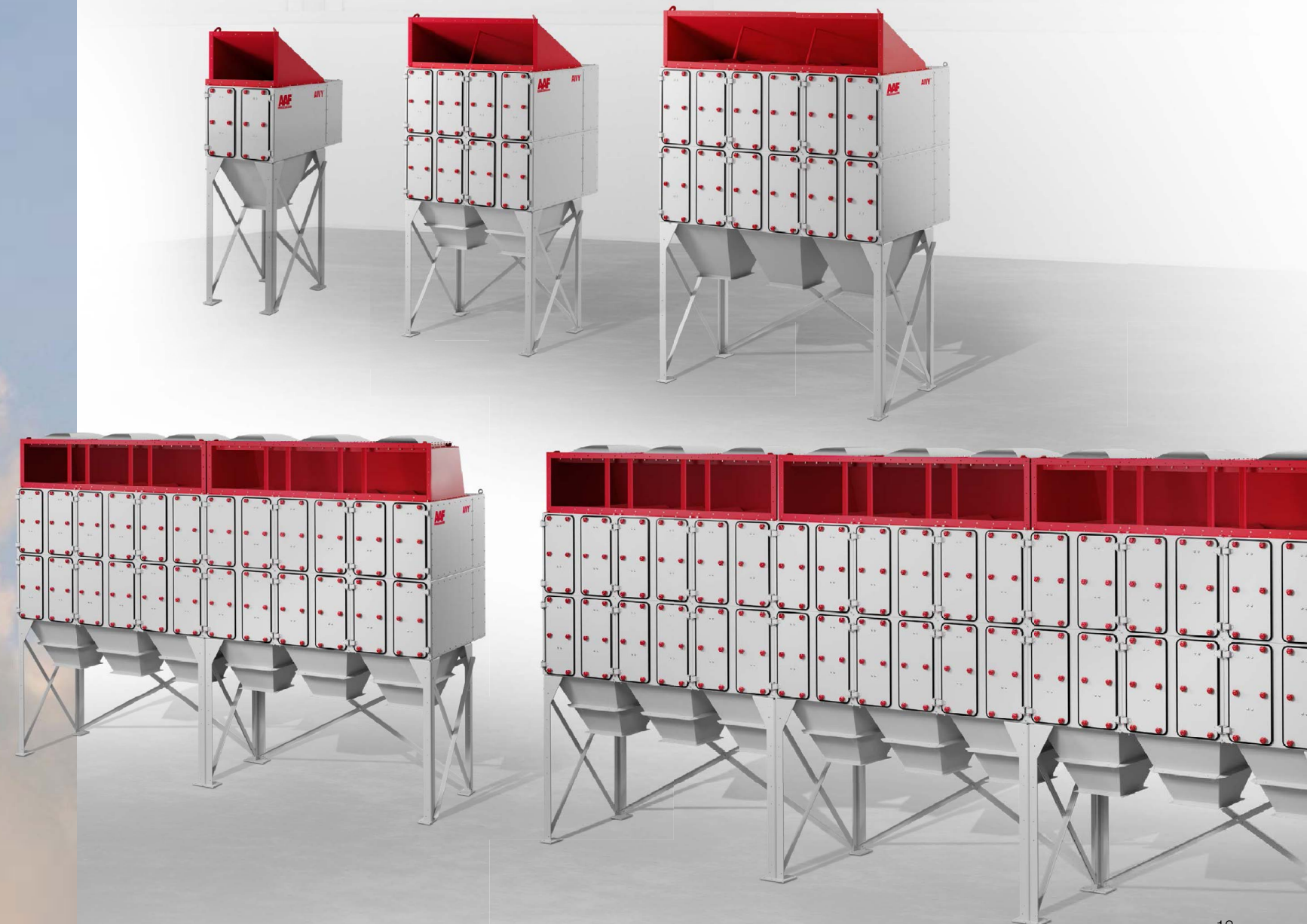
SIMPLE AND EASY

At AAF we believe that a solution should be easy, otherwise, it's not a good solution.

AIVY RC™ is a dry cartridge dust collector that adapts to a wide range of air flows in the easiest, fastest way possible.

This innovative design allows for increasing the number of cartridges by adding additional modules while maintaining a small footprint.

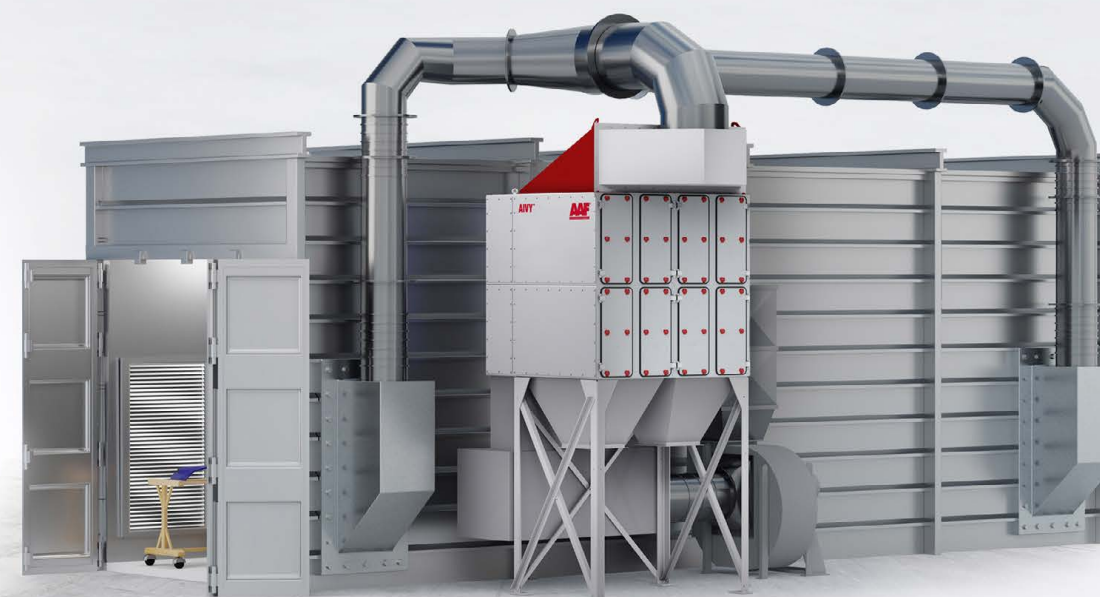
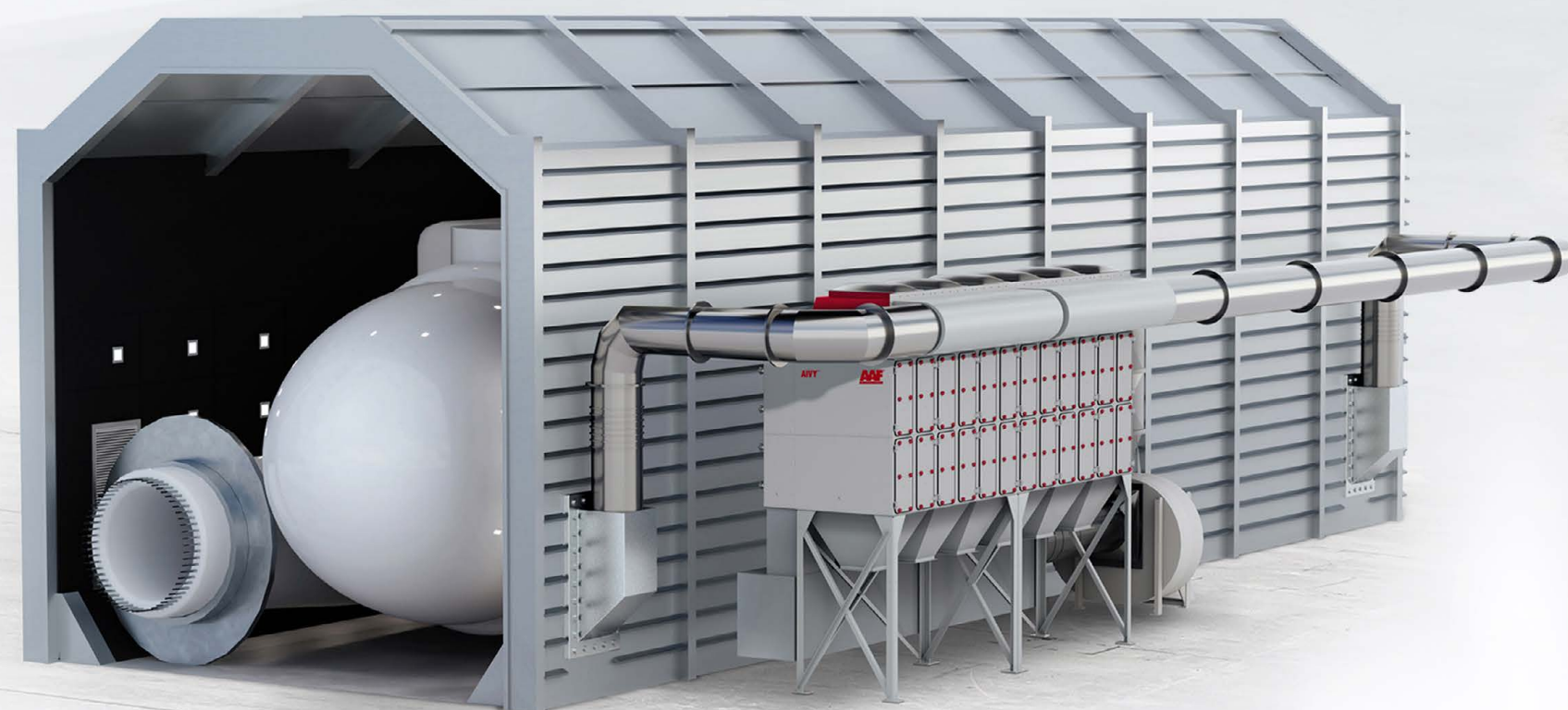
AIVY RC™ evolves along with your industry and needs, with the quickness of a standard solution and the advantages of a tailor-made configuration.



AN AIR FILTRATION
RANGE EASILY ADAPTED
TO WHATEVER YOUR
APPLICATION AND PROCESS
REQUIREMENTS ARE.

ADAP TABLE

AIVY RC™ is simple adaptability.
Without resorting to time-consuming
projects and deadlines. Without
having to look any further.



AIVY RC™ FITS ANY INDUSTRY



Food &
Beverage



Chemical
Industry



Metalworking



Pharmaceutical
Industry



Industrial
Minerals



Waste &
Recycling



Wood, Pulp
& Paper

AND ANY APPLICATION

+ SURFACE TREATMENT:

- Grinding, Cutting, Trimming
- Powder Coating
- Shot Blasting
- Metallizing

+ THERMAL CUTTING:

- Laser Cutting
- Plasma Cutting

+ MATERIAL TRANSPORT

+ MATERIAL PACKING

+ MATERIAL PROCESSING:

- Drying
- Granulating
- Mixing

+ MATERIAL HANDLING:

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

CONFIGURE YOUR OWN AIVY RC™

STEP 1 CHOOSE...

A SIZE

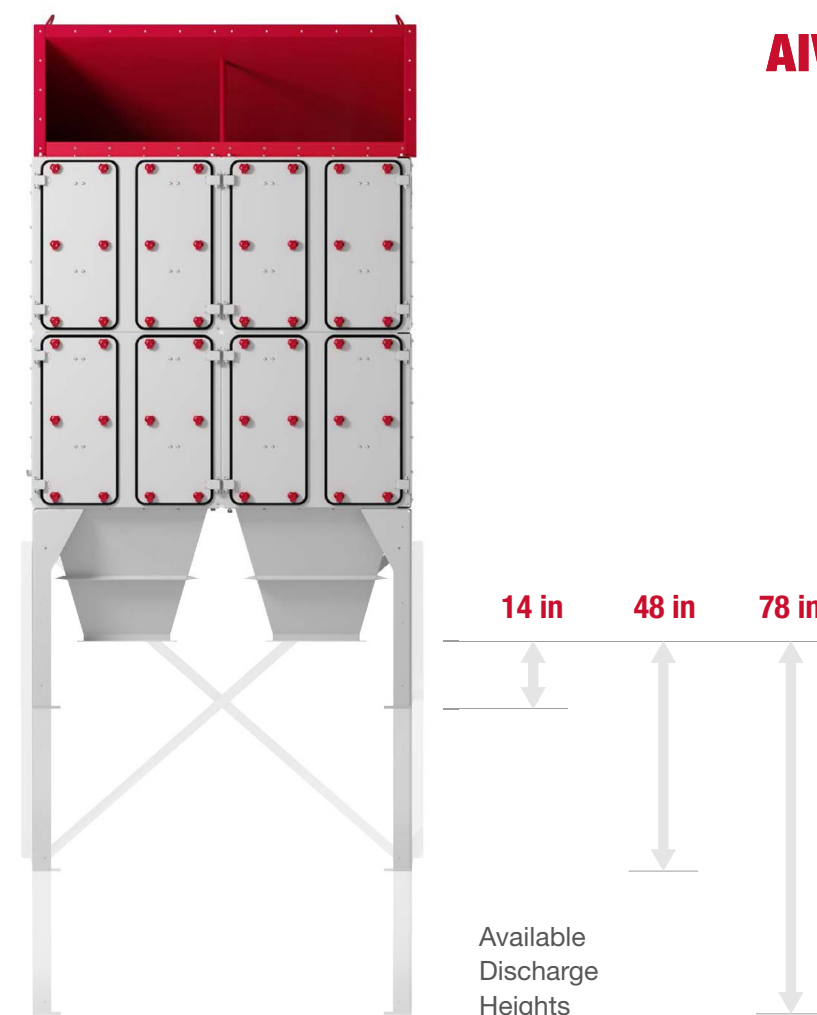
No matter the airflow, AIVY RC™ has you covered through a range of sizes that can handle small applications to big filtration challenges.



ENSURING ADAPTABILITY

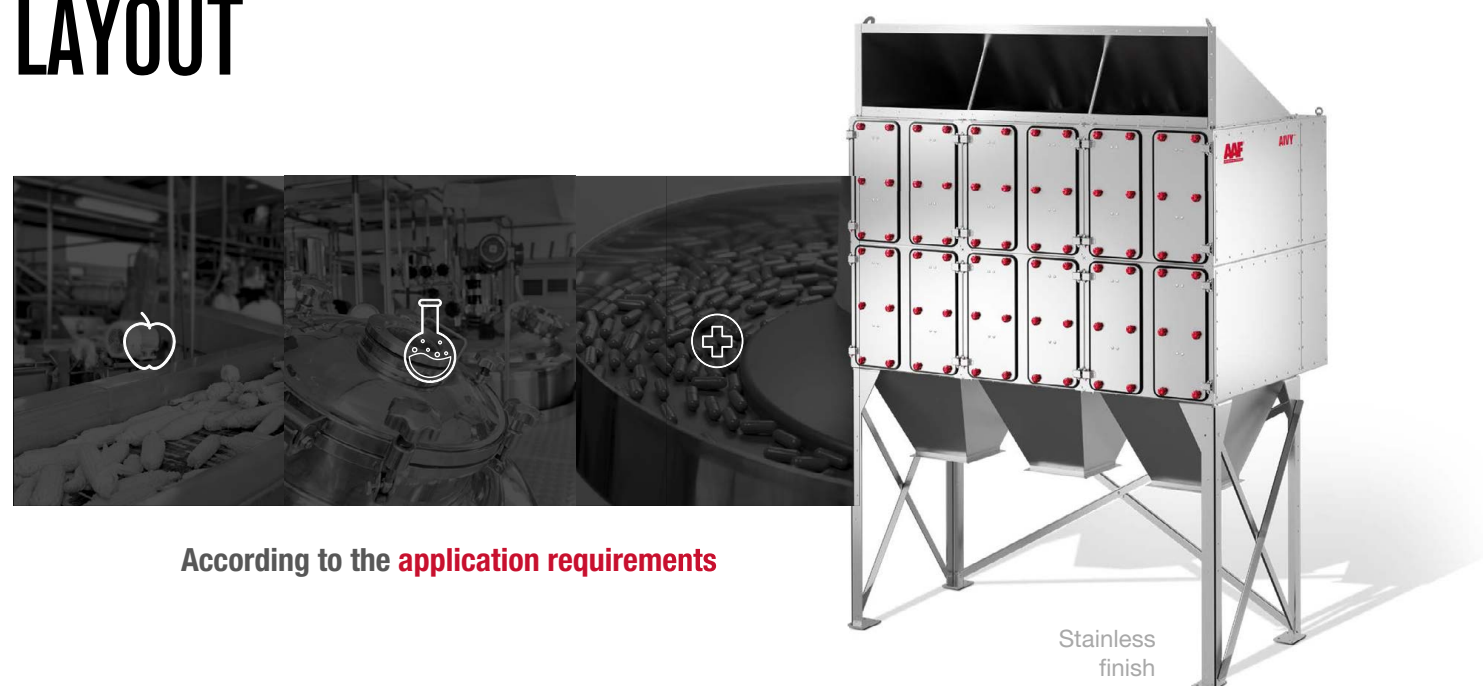
A HEIGHT

You do not need to adapt your installation, process or existing machinery to integrate with the dust collector. AIVY RC™ adapts itself to the existing requirements by selecting the structure height that best fits your plant conditions.



A FINAL LAYOUT

AIVY RC™ standard version is manufactured in carbon steel. Stainless steel construction is also available for industries and applications needed to meet special requirements or regulations.



A DISCHARGE SYSTEM

Depending on your installation, application or process performance, you can select the discharge system based on your specific dust management needs.



CONFIGURE YOUR OWN AIVY RC™

STEP 2 ADD OPTIONS...

EXPLOSION PROTECTION OPTIONS

For greater adaptability
to the existing process

For applications handling combustible
or potentially explosive dust, NFPA
compliant venting, isolation and
suppression options are available.



AIVY™



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 caliber 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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