

AIVY MiniPulse™



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.**

Efficiency at its finest	05
AIVY MiniPulse™ is Responsible	08
AIVY MiniPulse™ is Easy	10
AIVY MiniPulse™ is Adaptable	14

EFFICIENCY AT ITS FINEST



AIVY MiniPulse™

AIVY MiniPulse™ is a cartridge dry dust collector designed to handle low air flow rates **up to 600 CFM** in small industrial applications. A Plug & Play solution that integrates all the components required for an immediate, quick and simple commission and start-up.

Its presence at the plant is discrete but noteworthy at the same time. With a compact design and a small size, it provides a solution for dust collection on small applications and areas with limited space or access difficulties.

Its excellent seal ensures a cleaner and safer workspace while capturing and filtering dust generated from manufacturing processes. AIVY MiniPulse™ can also return recovered product to the process if needed.

Small, light and easy to handle, AIVY MiniPulse™ offers the utmost adaptability to the customer's needs and the application.

PERFECT MATCH WITH

-  Food & Beverage
-  Chemical Industry
-  Metalworking
-  Pharmaceutical Industry



AIVY MiniPulse™

is

**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.

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

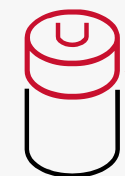
The most recommended media to ensure the greatest filtration efficiency on AIVY MiniPulse™ equipment:

REDClean® NFR-E 4.4

Nanofiber high performance cartridge with a flame-retardant finish to increase safety, slowing down combustion and flame propagation when handling dust with incandescent particles. Designed as earthed, it's appropriate for handling potentially explosive dust.

REDClean® NS-E 4.4

The combination of AAF's nanofiber with polyester synthetic fibre ensures a superior performance when handling fibrous or hygroscopic dust. Its earthed design makes this cartridge appropriate for handling potentially explosive dust.



**SIGNIFICANT
ENERGY SAVINGS**
For a better world

UP TO 20%

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

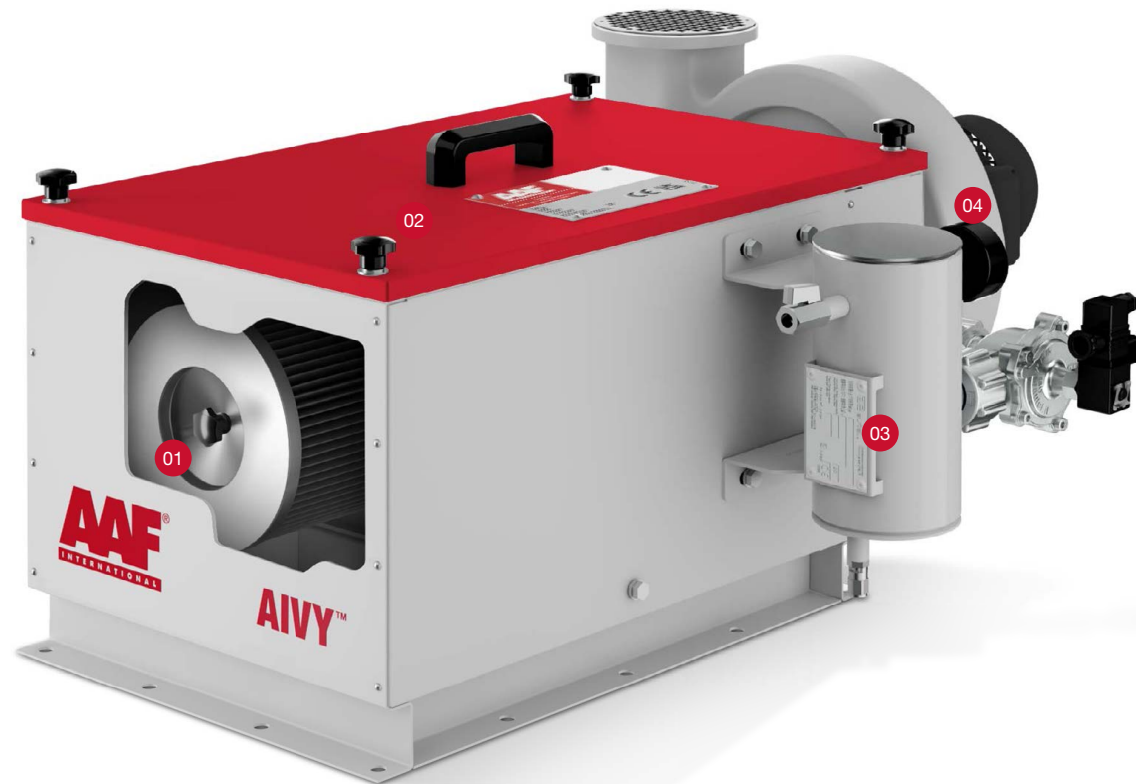
The innovations applied to the construction system guarantee optimized performance and lower pressure drop, which allows for an increased reduction in the total cost of ownership of the air filtration solution.

EA SY

WHEN LESS
IS MORE

AIVY MiniPulse™ 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.

A small and compact system to save you time and hassle.



01
Screw

The cartridge's fastening component designed to facilitate and expedite its replacement cartridge change-out.



02
Cartridge access panel

Designed to simplify maintenance, its assembly and disassembly can be done completely manually.



03
Compressed air cylinder

Cleaning system using compressed air included, accessible to streamline and simplify operational maintenance and repairs.



04
Fan

Optional depending on the application, it is not a required component in positive pressure applications.

MINIMUM MAINTENANCE, MAXIMUM AUTONOMY

AIVY MiniPulse™ design has been optimised to deliver proven performance improvements to extend the life cycle of the equipment and cartridge. It also features a self-cleaning system and easy access design for quick maintenance.

Designed for ease in installation, start-up, daily operation and routine maintenance, the AIVY MiniPulse™ is simple and intuitive, providing the user full autonomy on commissioning and maintenance.

The accessibility of AIVY MiniPulse™ components minimize time required on equipment maintenance.

Cartridge change-out can be completed in a few minutes, easily without the use of specialized tools or equipment.

To change-out cartridges, simply unscrew the positioning rod from the old cartridge, replace with a new one and re-fasten the positioning rod and access panel.

Easy and simplified maintenance. Another example of a design aimed at increasing usability and providing the most satisfactory user experience.

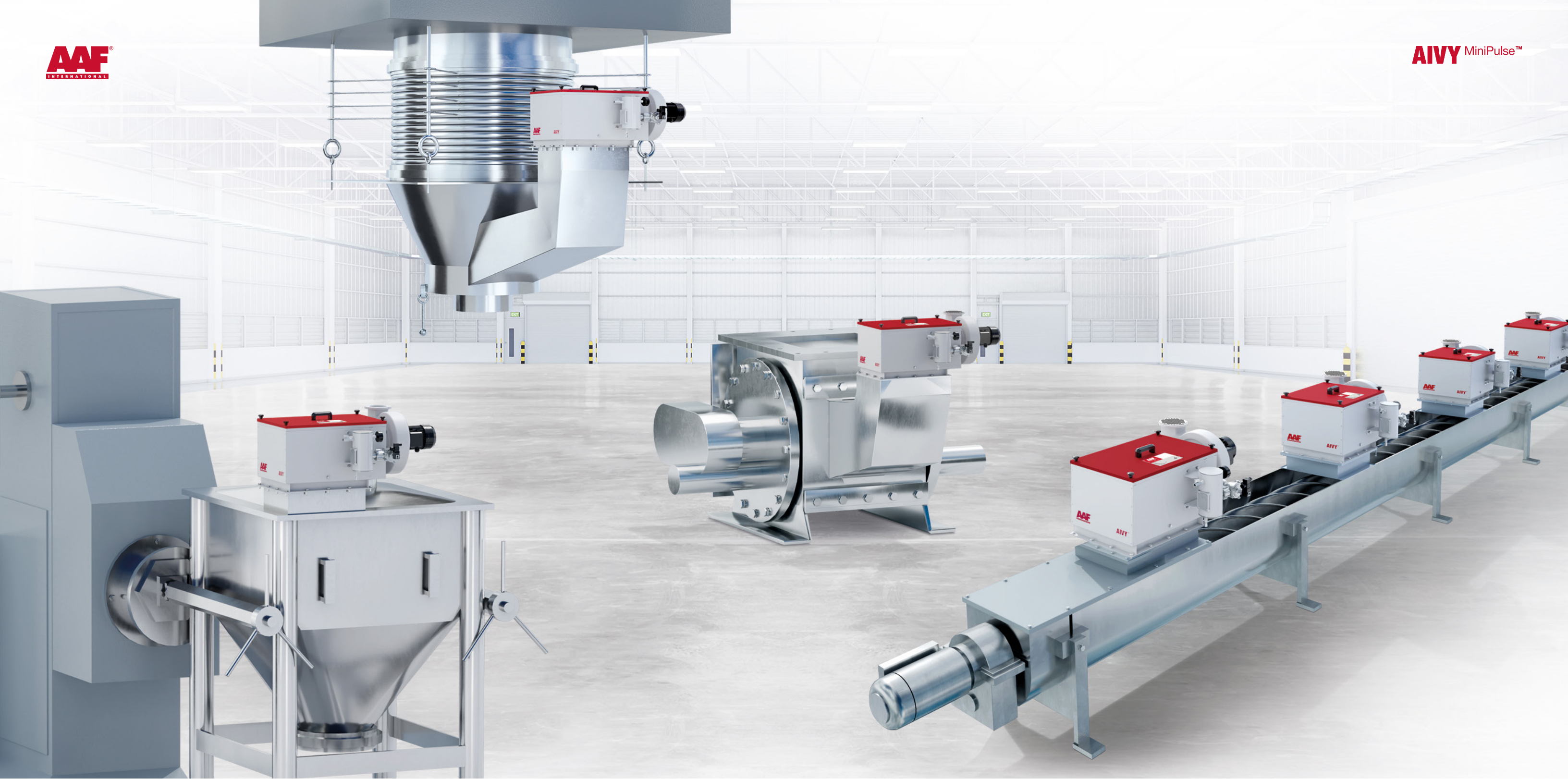




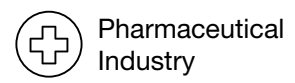
AN AIR FILTRATION
RANGE EASILY ADAPTED
TO WHATEVER YOUR
APPLICATION AND PROCESS
REQUIREMENTS ARE.

ADAP TABLE

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



AIVY MINIPULSE™ FITS ANY INDUSTRY



AND ANY APPLICATION

+ VENTING OF SMALL SOLIDS TRANSPORT:

- Elevators
- Conveyors
- Screw conveyor

+ VENTING OF SMALL DISCHARGE SYSTEMS:

- Big-Bag
- Silo
- Telescopic bag

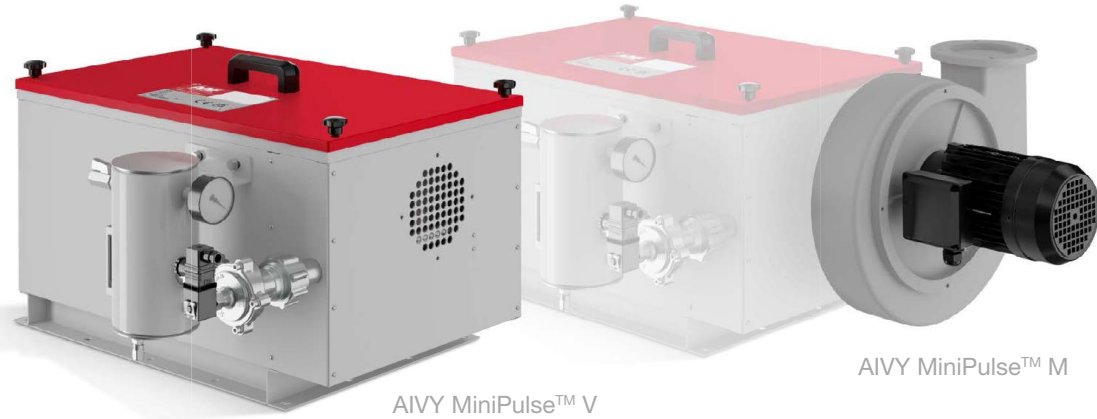
- Rotating valve
- Feeder
- Mixer
- Hopper

CONFIGURE YOUR OWN AIVY MINIPULSE™ STEP 1 CHOOSE...

A VENTILATION SYSTEM

AIVY MiniPulse™ is available with two possible ventilation systems:

- + **Model M** with integrated fan.
- + **Model V** as a self-venting unit with no fan included.



AIVY MiniPulse™ V

AIVY MiniPulse™ M

A FINAL LAYOUT

AIVY MiniPulse™ standard version is manufactured in carbon steel, although a stainless finish is also available for those industries and applications that might require a specific constructive material to accomplish with regulations.



According to the **application requirements**

CONFIGURE YOUR OWN AIVY MINIPULSE™ STEP 2 ADD OPTIONS...

DISCHARGE KIT

AIVY MiniPulse™ 4.4 can be fitted with an optional discharge kit which includes an integrated dust bin with a capacity up to 6 gal. An optional inlet flange adapter is also available with the discharge kit to ensure an easy installation.





Bringing clean air to life.®

A light gray world map is centered in the background of the page. A semi-transparent white rectangular box is overlaid on the map, containing the company name and a paragraph of text.

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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