

AIVY™ Upright



STATE OF THE AIR



Bringing clean air to life.®

AIVY™



AIVY™



STATE OF THE AIR is bringing air back to air. With the power to inspire, pioneer, innovate and purify.

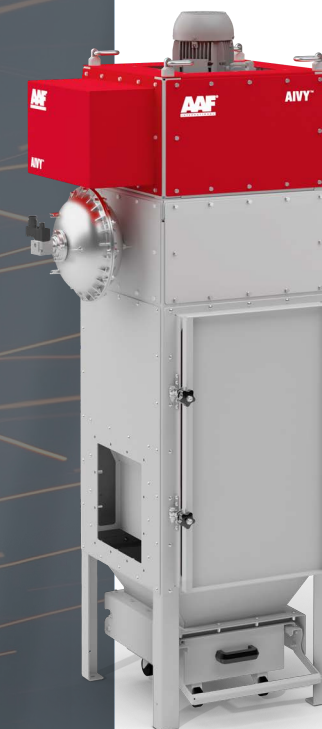
The **AIVY™ range** of air filtration solutions has been designed to provide the most **compact, efficient, and durable option** on the market. A cutting-edge range of cartridge dry dust collectors designed to ensure clean and safe air for your industry.

AIVY™ is specifically designed and adapted to your needs by a multidisciplinary, motivated and experienced technical team. Experts with a deep understanding of the demands across varied industrial applications, 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 **optimisation and environmental quality control of your workspaces. Innovating** through the perspective of our **responsibility to both people and the planet.**

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THE VERTICAL WAY



AIVY™ Upright

Designed to take up a minimal footprint in the plant, AIVY™ Upright makes a strong emphasis on space optimisation. Thanks to its design, it's ideal for managing air flows of **up to 1200 CFM**.

A Plug & Play solution, with a compact footprint and a simple maintenance design. It offers the perfect balance between space efficiency and the time required for maintenance tasks.

AIVY™ Upright is tailored to address a very specific concern, offering an ideal solution to the particular requirements of specific sectors and applications characterized by low airflows but harmful dust.

PERFECT MATCH WITH



Aerospace
Industry



Automotive
Industry



Metalworking
Industry



Food &
Beverage



Pharmaceutical
Industry



AIVY™ Upright

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™ Upright
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.

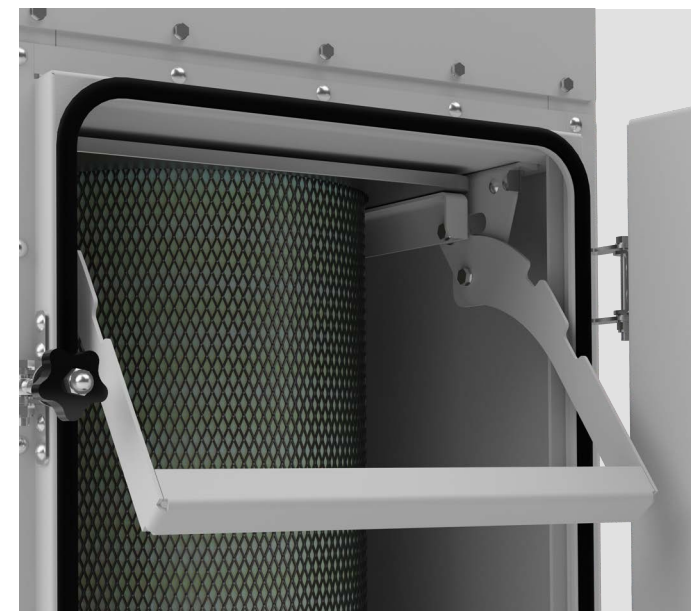
“Because achieving a better future may be a matter of taking small steps, rather than big leaps.”

ENHANCING PERFORMANCE

Maximum verticality

AIVY™ Upright stands out with its vertical orientation. The cartridge is positioned vertically without the need for additional supports or mandrels. The only component required is the plate that holds the cartridge, to ensure a sturdy vertical position.

This vertical layout, allows for floor space optimization, making it an excellent choice for environments where space is at a premium and providing flexibility in choosing the ideal location within the facility.



ADDING MORE SIMPLICITY TO MAINTENANCE

Simple cartridge change-out

Our efforts on R&D to provide the easiest functionality and the fastest maintenance has resulted in a user friendly design.

The equipment features a door that can be quickly and safely opened. Thanks to its 180° opening, the door system provides easier access to both the cartridge and the lever that determines its position, enabling faster replacement operation.

This system also enhances operator safety by preventing them from having to enter the equipment and potentially inhale harmful air.

Simplified maintenance, as a result of designing in the user's shoes.

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

NANOFIBRE

The game-changing media

ENHANCED FILTRATION EFFICIENCY

The improved nanofibre 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® Flange Top NFR-E and REDClean® Flange Top NS-E

Designed to ensure superior performance, REDClean® Flange Top NFR-E and REDClean® Flange Top NS-E are a high-performance cartridges with a nanofibre technology to provide superior dust release and therefore longer life.

The cartridge is **vertically oriented** and requires no mandrel or additional support, remaining upright with the integrated plate on its top section. It can be moved effortlessly along the equipment's rails, simply by handling the lever that enables its installation and removal. The two flange top variations both provide earthing and offers choice based on your application.

Other REDClean® references for AIVY™ equipment available:

| REDClean® NFR | REDClean® NFR-E | REDClean® NS | REDClean® NS-E



**SIGNIFICANT
ENERGY SAVINGS**
For a better world

AIVY™ designs committed to energy consumption reduction.

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

EA WHEN LESS IS MORE SY

AIVY™ Upright 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 up so little.



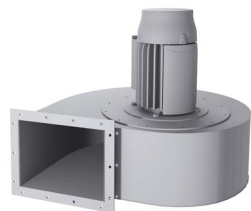
**PLUG
& PLAY**

TO SAVE ON SPACE AND HASSLE

The Plug & Play system saves installation time, integrating all the necessary elements for a start-up that requires nothing more than plugging in the equipment. From a built-in dust bin, a self-cleaning system, an integrated fan and a soundproofing booth to provide the best user experience during operation.

A modular and compact system to save you space and hassle.

Discover AIVY™ Upright main components that simplify the use and improve the efficiency.



01

Soundproof fan

For less noise

Built-in fan on top of the unit 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 that supports continuous operation for prolonged periods of time, ensuring a constant pressure drop. Externally mounted for accessibility and for simplifying maintenance.



03

Starter motor

As easy as switching the on-off button

Compact and pre-wired, making start-up of the fan. Industrial equipment as intuitive and simple to manage as a domestic lighting.



04

Dust bin

For easy removal

Offers a storage capacity for highly efficient removal and emptying, ensuring easy and secure removal of dirty dust by simply lifting the dust bin lever upwards.

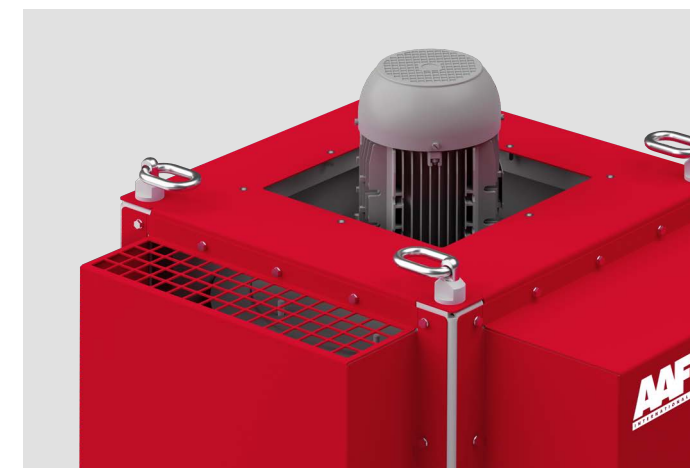
MINIMUM MAINTENANCE, MAXIMUM AUTONOMY

The accessibility of AIVY™ Upright components minimise the time required on equipment maintenance.

Cartridge change-out can be completed in just a few minutes through a manual and straightforward operation. After unscrewing the door knobs and fully opening the door, the inner lever that positions the cartridges becomes accessible.

By lifting the lever upward, the cartridges can be smoothly pulled outward along the rails until fully extracted.

This not only simplifies cartridge replacement and maintenance tasks but also safeguards operators health by preventing them from having to enter the equipment and thus, avoiding the inhalation of harmful air.



Upward outlet

AIVY™ Upright includes a ventilation outlet positioned at the top of the unit, designed to enable closer proximity to the process and operators.

A Plug & Play solution that integrates all components, avoiding the need for a complex installation process and minimising its footprint on the plant floor.

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

ADAP TABLE

AIVY™ Upright is simple
adaptability. Without resorting to
time-consuming projects
and deadlines. No need
to look any further.



AIVY™ UPRIGHT FITS ANY INDUSTRY



Aerospace
Industry



Automotive
Industry



Metalworking
Industry



Food &
Beverage



Pharmaceutical
Industry

AT ANY APPLICATION REQUIRED

+ THERMAL CUTTING:

- Laser cutting
- Plasma cutting

SURFACE TREATMENT:

- Shot blasting
- Sand blasting

MATERIAL PROCESSING:

- Mixing, grinding
- Conveying
- Coating

YOUR OWN AIVY™ UPRIGHT

CHOOSE A SIZE

AIVY™ Upright has you covered through a range that includes **2 different equipment sizes** that can house one and two cartridges depending on the application.



Airflow range: Up to **2,000 m³/h**

EXPLORE ATEX MODELS

EXPLOSION VENTING SYSTEM

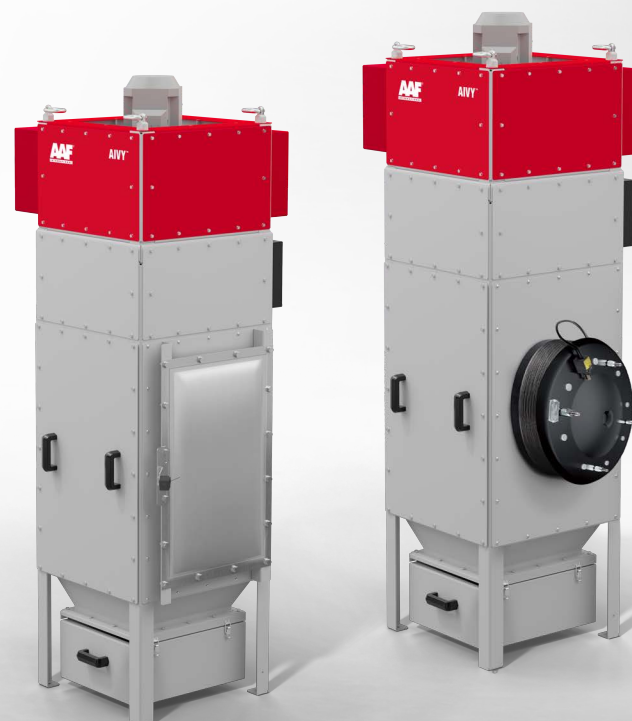
**For a greater adaptability
to the existing process**

Different ATEX compliant options to increase security when handling combustible or potentially explosive dust are available, for indoor equipment with a choice of suitable flameless vent.

**ATEX
CERTIFIED** 

**For explosive
atmospheres**

AIVY™ Upright SB can be specifically manufactured for use in potentially explosive environments in full compliance with ATEX Directive 2014/34/EU for use in hazardous areas.



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 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

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