

Environmental

Global Services

Advanced products and solutions in industrial air filtration



BETTER AIR IS OUR BUSINESS®



Delivering excellence
through innovation
& technology

“If you always do what you’ve
always done you’ll always get
what you’ve always got”



AAF Heritage

For more than 90 years AAF International has been providing filtration solutions for industrial processes around the globe.

Our reputation for providing quality products and innovative solutions dates back to 1921 when a young paint shop entrepreneur pioneered the removal of airborne contaminants to improve the quality of automobile paint finishes.

Throughout our rich history AAF International has pioneered many of the techniques used today to control airborne dust, fume and vapour. With an extensive portfolio of products and solutions, individually tailored to meet the application requirements of our customers, AAF International continue to pioneer industrial air filtration.

Since industry is perpetually advanced by new technology, AAF International today continues to invest thousands of hours in the research and development of new products to embrace the challenge provided by modern industrial processes. Ensuring we deliver the most extensive, cost effective and energy efficient product portfolio available in the market today.



Continuing to pioneer
the future of air filtration



At your service, worldwide

Local representation across five continents complemented by global support allows AAF International, your global filtration partner to be there when you need us most.

At AAF International we value the importance of local representation and our teams of highly trained engineers are always available to provide customer support and assistance when ever and where ever required.

With a network of global manufacturing facilities AAF International are able to ensure consistent product quality from a local supplier to a world class standard. Each AAF International manufacturing facility is ISO certified ensuring consistent product quality, delivery and performance.

Our local engineering and product teams ensure a speedy response and execution from project concept through to commissioning, takeover and acceptance.

An aftersales service structured to suit your business ensures optimum performance of any filtration system.



Your global filtration partner...
always there when you need us

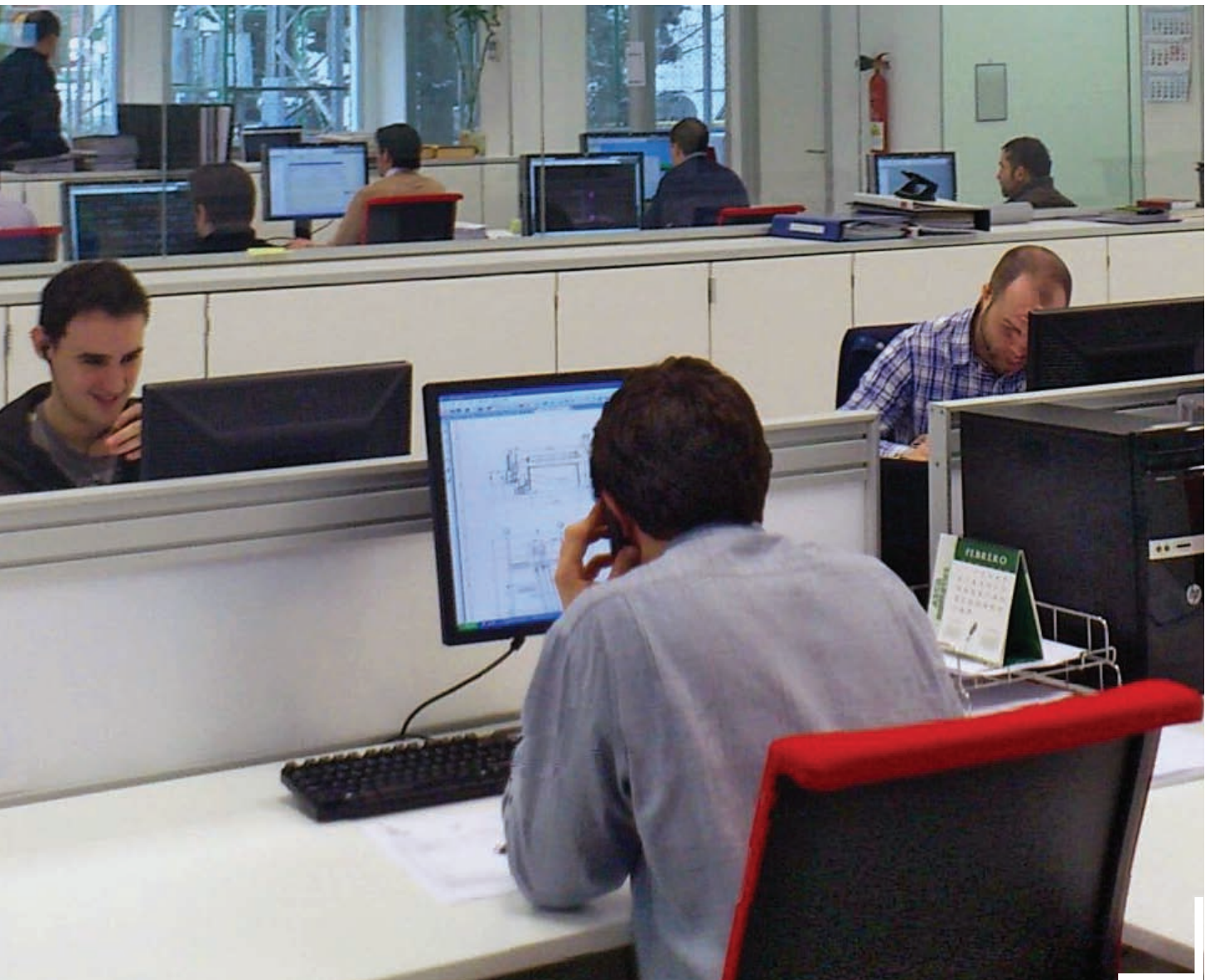


Global manufacturing
ensures consistent quality
service and delivery

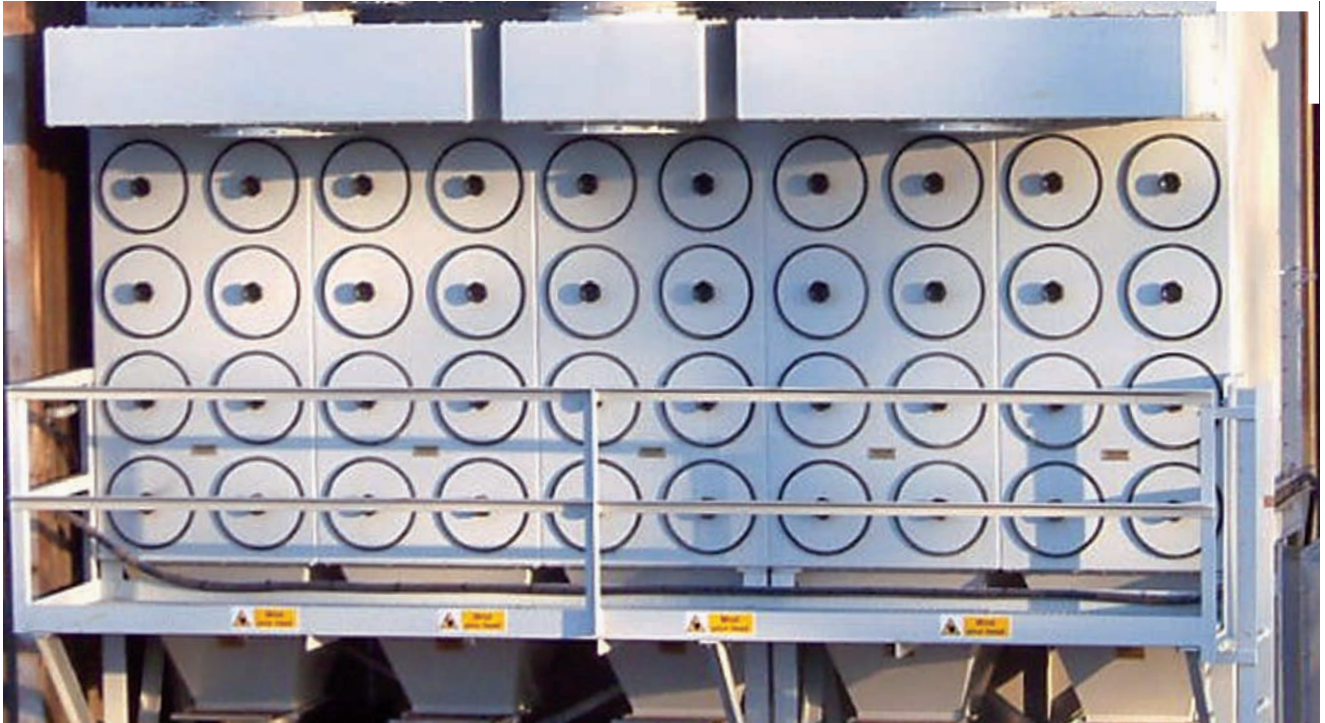


Better by design

With an extensive list of references spanning more than 90 years AAF International has tackled some of the most difficult applications in almost every industrial sector. From wet, sticky, oil laden air to hygroscopic and explosive dusts AAF International have products and solutions to compliment your operation.



Sticky, wet, oily, humid,
hygroscopic, explosive



By listening and working with customers our teams of experienced engineers are able to fully evaluate and design solutions to meet your exact environmental requirements to ensure compliance with both local and international regulations for indoor/outdoor air quality

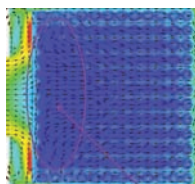
AAF International recognise that every industry and application is different and by working in partnership with our customers AAF International is able to ensure we offer the correct products and solutions to match your exact requirements.

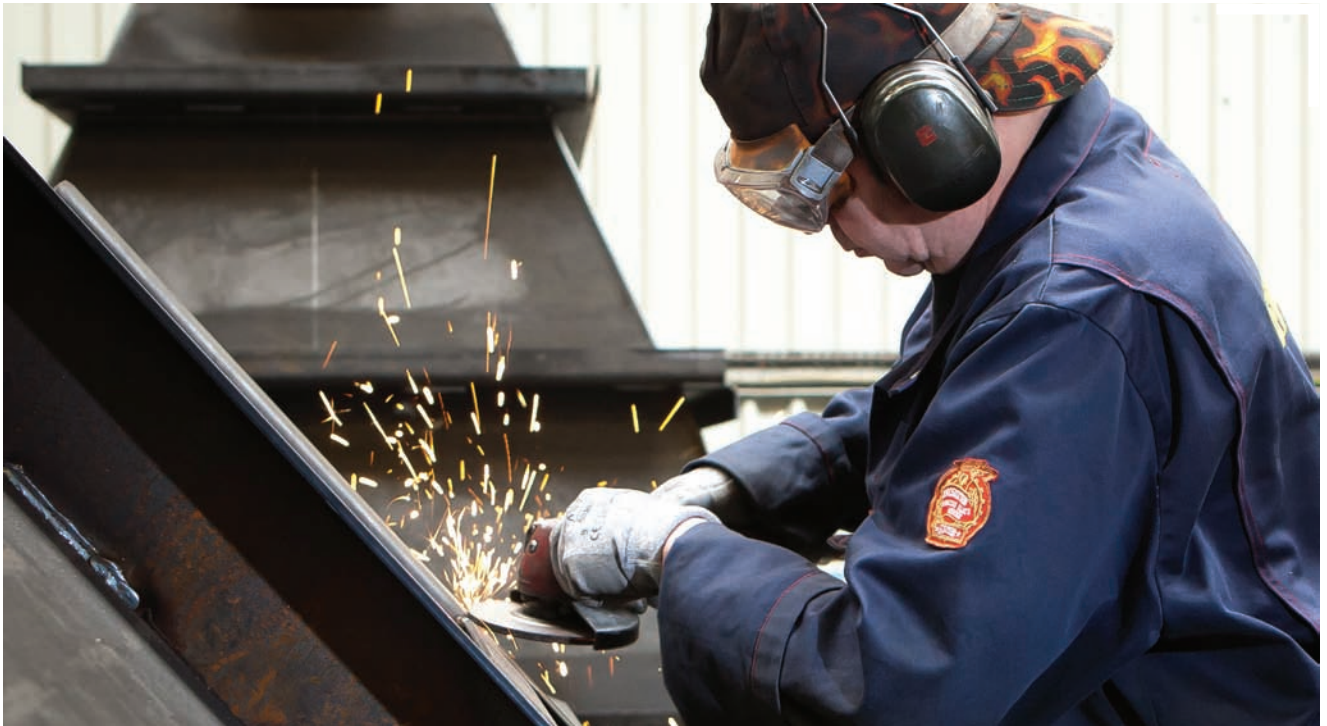
Utilisation of the latest engineering technologies 3D or computational fluid modelling allow our engineering teams to ensure we maximise contaminant capture whilst minimising system pressure losses and operational costs.

The health effects of air pollution have been the subject of intense studies in recent years and the World Health Organisation advises that there is no safe exposure level to particulate matter with the cost impact on industry growing in relation to occupational asthma and other respiratory diseases.

By working with AAF International our customers have the confidence they are putting their trust in a company with the necessary experience to solve the more demanding problems giving you complete comfort that we are there to support you every step of the way.

Custom designed to optimise performance



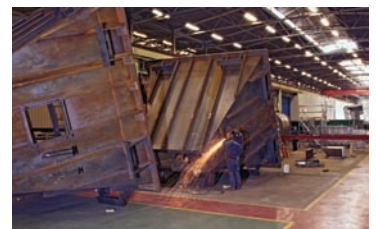


Manufacturing

AAF International customers demand quality and reliability. Our global manufacturing capability ensures consistent product quality, on time delivery within your budget. AAF International are specialists in the fabrication of carbon and exotic steel profiles and plate work ensuring we meet our customer needs, quality and cost effectiveness.

Our manufacturing team has a wealth of experience in providing high quality systems to the most demanding customers where quality and cleanliness are of paramount importance. At AAF International we pride ourselves on our ability to satisfy any customers needs regarding wet paint applications, with a wealth of knowledge in paint process and coatings.

Our teams of highly skilled mechanical and electrical fitters provide a complete service enabling our customers to take advantage of our full manufacturing process from raw materials, paint preparation, welding, assembly, surface cleaning and protection wherever you are in the world.



**Carbon and specialist
steel fabrication, painting
and assembly**



Installation

AAF International understand that safety, co-ordination, planning and communication are essential elements to the successful installation of any project.

Safety is a key deliverable on any project and AAF International only utilises skilled and trained installation teams.

AAF International will co-ordinate deliveries to ensure equipment is available to meet installation plans preventing double handling and delays to programme. All installations are controlled and managed by trained supervisors in accordance with local best practice but to a minimum global safety standard. Utilising fully certified lifting, slinging and erection equipment.

A full range of services can be produced from civil and mechanical installation of plant to electrical instrumentation, pneumatic and hydraulic. Interfacing with new and old equipment to your requirements.

Commissioning services are essential to breathe life into any plant and AAF International are able to offer the services of electromechanical, process and software engineers to commission small filters to turnkey solutions. Also our troubleshooting service allows us to optimise the performance of any existing filtration system reducing the overall cost of ownership.

Civil, mechanical, electrical and pneumatic installation teams



Understanding the importance of safety and planning

Total Plant Performance

Improving Health, Energy & Efficiency by reducing the total cost of plant ownership

AAF International understands that a fully integrated solution developed in partnership with our customers can significantly reduce operational cost whilst improving plant hygiene, workforce efficiency and ensuring an environmentally compliant work place.



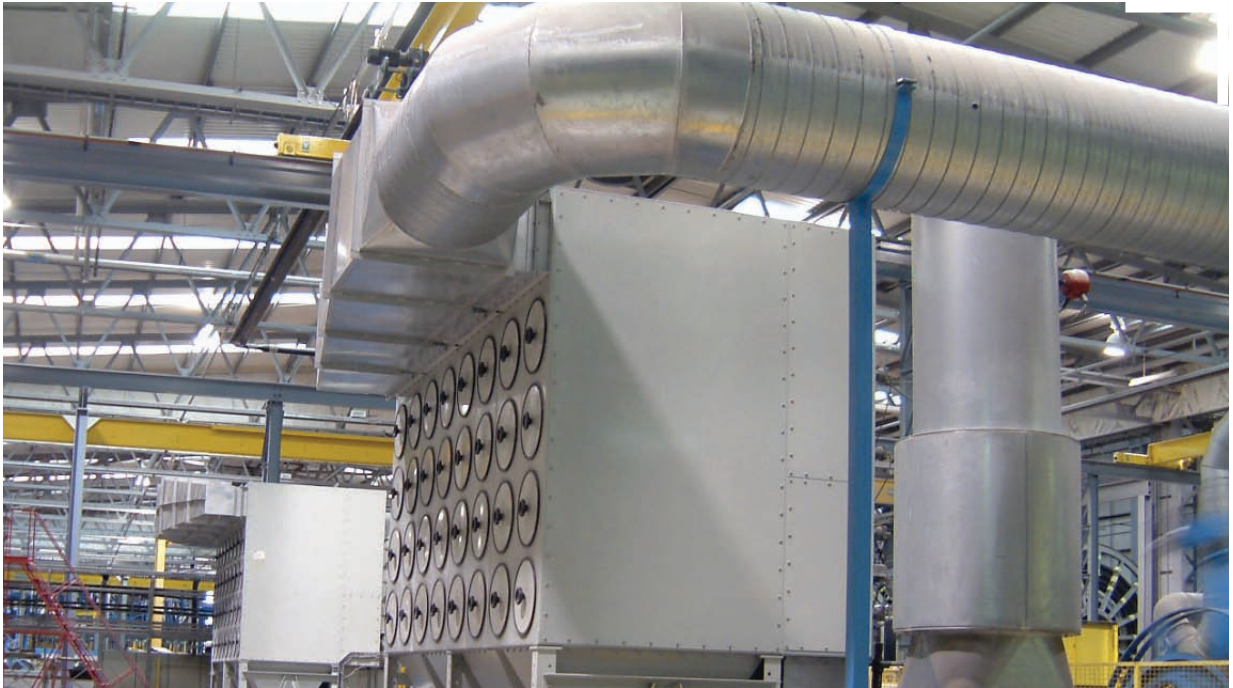
Our policy of focusing on energy efficiency, conservation and total cost of ownership allows us to ensure that we are able to offer products and solutions to reduce your overall carbon footprint.

Through site surveys of new and existing equipment that extend beyond the physical condition of your equipment we are able to provide in-depth analysis of the performance of any filtration system offering improvements and enhancements to equipment performance.

AAF International reviews every application to minimise the overall lifecycle cost of the complete filtration system. This offers a significant benefit to our customers by reducing their total cost of plant ownership.



More than just a filtration company



... the evolution of Target Zero

By adopting a focused approach to develop integrated solutions AAF International consider the areas which matter most to our customers. Our objective being to deliver TARGET ZERO solutions:-



Target Reducing Cost -

solutions focused on a return of investment and total plant ownership.

Target Reducing Emissions -

legislative compliance linked to product longevity

Target Reducing Maintenance -

pro-active maintenance programmes and down time reduction

Target Reducing Zero Power -

enhanced performance to reduce your carbon footprint.

Target Reducing Zero Workplace Exposure -

improved hygiene for reduced cleaning, workplace comfort and legislative compliance.

Target Reducing Zero Waste -

maximising product recovery to minimise waste.

Target Reducing Zero Cross Contamination -

product capture at source

Product Portfolio

With more than 90 years experience, AAF International understands that it is critical to ensure that any filtration product is suitable for the application. Consequently AAF International maintains an extensive product portfolio to ensure only the correct product is selected depending upon the specific application requirements.



Optimise performance
and reduce operational costs

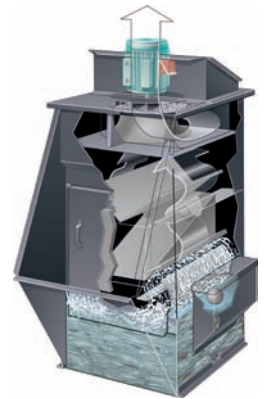
Wet Collectors

AAF International pioneered the development of wet collectors and devices designed to remove particulate matter from the air by passing through a liquid medium. The AAF International RotoClone and KinPactor ranges allowing dust and fume to be collected in hot, humid and sticky environments.



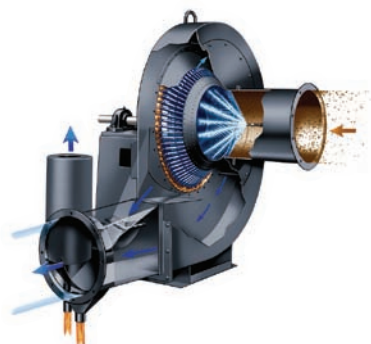
Type N RotoClone®

The Type N RotoClone cleans the air by the combined action of centrifugal force and a thorough intermixing of water and dust-laden air. It has no moving parts, pumps, or other auxiliary equipment. It requires minimum space and is easy to install.



Type N RotoClone® Model LV

The Type N RotoClone Model LV dust collector is specifically designed for the ventilation and pollution control of dust emitting machines that require air volumes under 3400m³/h CFM. The Model LV collector can be close coupled to the dust sources or remotely located with connecting ductwork.



Type W RotoClone®

The Type W RotoClone is designed to combine the scrubbing effect of water with the principle of dynamic precipitation. This highly effective wet-type collector discharges collected materials as a slurry.

The Type W collector is effective in applications such as chemical processing, mining, coal processing, food, and pharmaceutical dust capture.



KinPactor

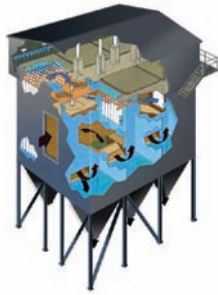
The KinPactor scrubber uses a venturi-type orifice utilising the principle of impaction for intermixing of dust particles and water. Intermixing is accomplished by rapid contraction and expansion of the airstream and a high degree of turbulence. The KinPactor is used wherever high pressure drop venturises are necessary to collect submicron particulate or exceptionally high efficiency is required.

Fabric & Cartridge Collectors

A complete range of high efficiency fabric and pleated media collectors complemented by our range of specialised filtration elements focus on high efficiency, lower pressure and longer life. Utilising high efficiency reverse cleaning technology the AAF International FabriPulse, OptiFlo and ArrestAll ranges ensure optimum cleaning and utilisation of the filtration media for lower emissions and longer life.



High efficiency,
lower pressure
and longer life



FabriPulse® XLC

A world class filter for high efficiency cleaning of industrial process gases. Using highly effective off-line cleaning by pulse jet compressed air, the unit is suited for hot gas operations such as furnace fumes, kiln exhausts and incineration flue gases.

The FabriPulse XLC is especially suited to continuous operations where its on-line maintenance feature offers exceptional up-time benefits. Any range of Flow rate can be handled with units individually designed to suit exact customer requirements.



FabriPulse® Fusion

These combine the most outstanding features of typical baghouses with AAF product development ideas to meet the demands for higher quality air in the 21st century. The modular in design, and the modules is available in different heights to accommodate a range of fabric bag lengths, as well as pleated bags. Since each unit is constructed from modules, there is almost no limit to the size of the collector.



Design L & M FabriPulse®

The Design M FabriPulse pulse-jet fabric dust collector are designed to fill the need of those industrial dust collection applications that require small, compact filter sizes and low air volumes.



OptiFlo®

The OptiFlo cartridge collector is a completely modular design that allows an unlimited range of sizes. Modules can be interconnected to accommodate the largest air cleaning task. The compact modules conserve valuable space and have the lowest flange-to-flange pressure drop, allowing up to 10% greater airflow with lower fan power requirements than competitive models.

The internal construction of the OptiFlo prevents direct impingement of entering particulate on the cartridges, minimising abrasion and dust build up. The top entry, "downflow" design eliminates "can velocity" concerns. A wide selection of cartridge types, options, and accessories enable the collector to be tailored to suit specific application requirements.



OptiFlo Dustcatcher®

The DustCatcher is a compact, self-contained cartridge collector designed for lower air volume applications. The cartridges are automatically cleaned by reverse pulsing.



ArrestAll® AR Series

The AAF ArrestAll self-contained dust collector is a shaker-type fabric collector which offers a cost effective, compact solution to dust control problems.

Specialist Filters and Heat Recovery



DynaPure®

The DynaPure mist collector is a self-contained filtration system for source control of mist created by wet machining, spraying, and lubrication systems. It is a unique, simple method for the elimination of mist problems. A rotating drum collects and agglomerates the mist particles – even submicron particles – in its filtering element. Centrifugal force then drives these particles from the airstream



Heat & Energy Recovery

Air to air and air to water heat exchangers designed to maximise energy recovery. AAF International understand the continuing requirement to reduce energy consumption. Our heat exchangers allow AAF International to harvest heat through thermal transfer recovering valuable energy for utilisation elsewhere in your process reducing operational costs.

Gas Phase

The SAAF range of chemical media and catalysts provide high efficiency filtration for the effective removal of gases and odours encountered in commercial and industrial



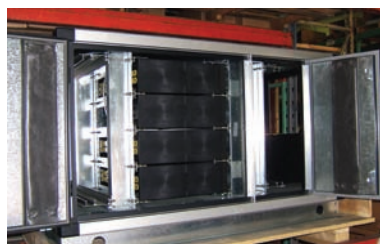
Cyclones

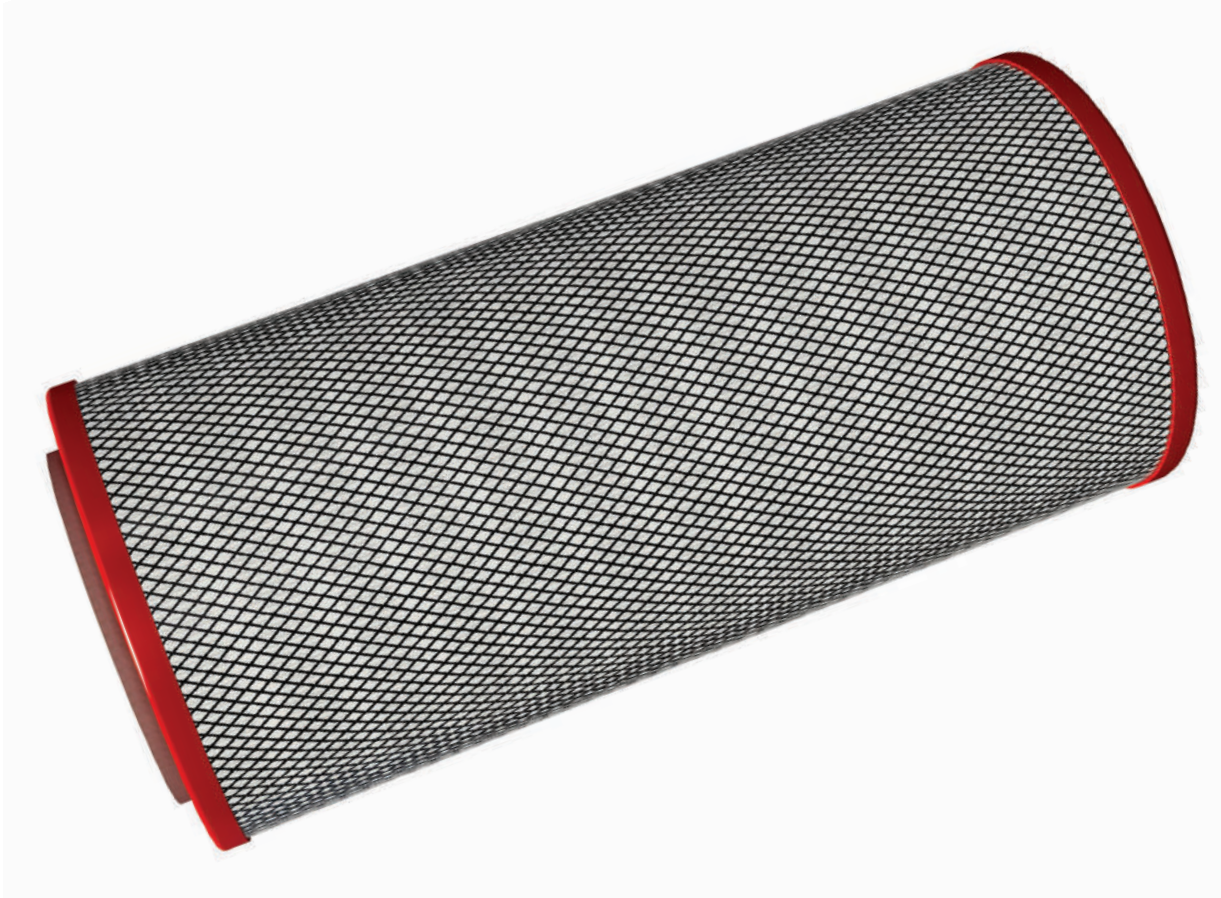
AAF Cyclones have integral fans located on the clean air side for safety and ease of maintenance. High inlet velocity and a long tapered cone design provide excellent performance for removal of airborne dusts generated in woodworking, plastic cutting, grinding, and polishing operations. Models are available from 1350m³/h - 20400m³/h.



High Efficiency Filters and Housings

A wide variety of housings and systems for removal of airborne particulate, odour and gases from any airstream. Each housing is designed to be used in conjunction with AAF International's extensive range of pleated and extended surface filtration products purpose designed to meet specified filtration efficiency and gaseous contaminant removal





Replacement parts for reliability & life

AAF International understands that the failure of relatively minor components can sometimes contribute to an unplanned shutdown incurring potential loss in revenue. All filtration equipment components have a finite life and AAF International has focused upon delivering reliable products which extend component life, protecting your investment and ensuring maximum performance and availability.

Failure of even minor components can sometimes have a dramatic impact on the profitability of any operation and component reliability and availability are essential.

By gaining an understanding of our customers process through experience we can identify critical components within any new or existing system to ensure that only the critical elements are stocked or held as consumable components as and when required by you.



Process knowledge is key to component reliability and extended product life.



A service programme to suit you

From total plant ownership to annual check up's AAF International can develop a customised service programme tailored to suit your exact requirements.


By understanding your past and current plant performance as well as ambitions for future improvement, AAF International can take complete ownership of your filtration systems to ensure optimum performance and availability.

Even following initial installation, new equipment can quickly deteriorate if correct maintenance procedures are not adopted and by working with AAF International we can develop a pro-active maintenance programme to ensure that your filtration system is available when you need it most.

From the supply of simple components to the installation and disposal of spent materials AAF have a service programme to match your requirements.

Our service teams of trained engineers are able to service any extraction system, offering advice, guidance and improvements to reduce your overall cost of ownership.



The background image shows industrial equipment, including a large metal frame with a grid of circular components and a vertical cylindrical tank, all overlaid with a solid red color.

AAF International is an Investor in People
and their well trained, professional staff
ensure the best training and support is
given at all times.



BETTER AIR IS OUR BUSINESS®

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