Paint Shops & Booths

Advanced Air Filtration Solutions working in a Clean Air World

VOKES AIR

Taking small steps together, always ahead, towards a better world

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Advanced Air Filtration Solutions working in a Clean Air World.

Paintspray

A dust-free environment is key to achieving a smooth, spotless finish, everytime.

Air filters are vital components of painting systems. The air handling unit should ensure that make-up air is free from contamination.

When an attractive colour and a flawless look are a must for any finely finished item, the finishing operations must be conducted inside purposely designed, clean environments, where the whole painting process is performed under a dynamic clean air shield that prevents the fall of any foreign particle into the fresh paint layer.

Environment and workers' health protection, finish quality control, waste reduction, and plant efficiency are only achievable through the correct selection and use of quality air filters.

The Air Handling Unit (AHU) feeds fresh external air into the painting plant; employing a variety of air filters, selected for their type, efficiency grades and sizes. Such air, filtered and thermally conditioned, is known as "make-up air" and is injected directly into the plant. Our vast selection of quality filter elements includes practically any AHU filter spare, irrespective of which brand and model you operate.

▲ Hepatex Zero Ohm

▲ Compatex TMPC

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Ceiling Filtration

VA Synthetic Media

Ceiling filters to suit your needs.

Three types of synthetic microfibre media, each specifically developed for a given operating condition, and all featuring certified top performances for finishing plants.

VA filter media offer a tailored solution to the air filtration and diffusion requirements of each industrial finishing plant or car refinishing environment.

CEILING FILTERS MAKE THE DIFFERENCE.

Within most plants, make-up air is diffused into the painting room via a laminar flow ceiling (or wall) diffuser, fitted with a compatible efficient ceiling filter medium. An incorrect filter selection here may seriously affect the quality of the production and jeopardise the workers' health and safety.

Certified, quality ceiling filters grant the best overall results, often for the lowest operating cost, with savings arising from longer filter life and lower energy consumption.

VA-600

Reduces turbulence in the spraying area

Air turbulence can strip particles off walls, floors and garments and drive them to settle into the fresh, wet paint. VA-600 offers the solution – this compact, stable and efficient, dual-layer medium helps to achieve a more uniform air flow pattern, dramatically reducing air turbulence in the cabin. In addition, VA-600 is designed to withstand occasional high temperature fluctuations.

VA-660

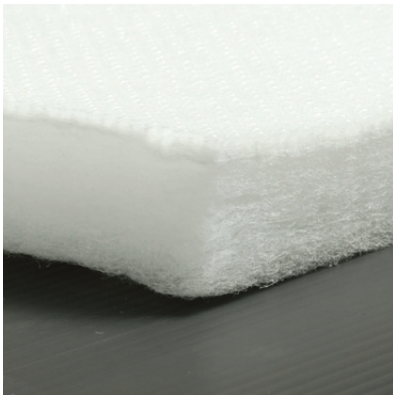
Top efficiency filter for top quality finishing

A state-of-the-art, multi-layer, fully impregnated synthetic medium, designed for uniform diffusion of clean, particle free air: long life, high dust holding capacity, higher efficiency (M5 removes all particles > 10µm): the ideal choice for ceiling filtration of make-up air on modern painting lines for fine cars and other luxury finished items.

VA-620

Brightness in the spray booth lasts longer

A smooth, white, silky lining, over an extra dense bed of impregnated microfibres, VA-620 is the preferred choice of leading spray-booth brands. Thanks to its unique finish, it maintains the ceiling whiteness and cleanliness for a longer time, even under intensive use.



▲ VA-600

▲ VA-660

▲ VA-620

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Overspray Filtration

FV Overspray Media

The No. 1 interceptor for overspray mists.

FV is the well-known, versatile and cost-effective medium also known as Paintstop. Manufactured in three different grades and in many standard roll widths, FV removes both industrial dusts and fine and dry paint mists:

- Within a pressurised down draft spray-booth (the classic painting cabin of car repair workshops). FV, laid underneath the floor grating, intercepts over 90% of overspray suspended in the exhausted air
- Beneath the return gratings of prep-stations, FV collects any other dust from substrate preparations
- In cross-draft, dry-type spray-booths for industrial painting of metals, wood, plastics, FV is applied onto the supporting grid of the air suction wall, just behind the object being painted

PAINT OVERSPRAY CANNOT BE VENTED OUT.

The amount of overspray generated in industrial "wet-type" spraying booths is directly related to the daily paint consumption. Anti-pollution laws impose severe limits to the amount of such pollutants that can be vented into the atmosphere.

Because dry overspray filters preserve local water resources from depletion and pollution, they represent the most popular method of removing small paint particles from the air leaving the spraying area.

A technically advanced manufacturing process transforms pure glass beads into these lofty non-woven blankets being made of thousands of endless, curly, resilient glass fibres (diameter > 20 µm).

These non-breathable, macro-filament media are recognised by leading Health Authorities worldwide, as non toxic and non carcinogenic, furthermore, they are non corrodible and do not propagate the flame.

To avoid skin/eye irritation by contact, wearing suitable protective garments when handling FV media is recommended; disposal by incineration or landfill are admitted, when the contaminants collected are not included in the list of toxic chemicals.

FV-50

2" green - Low-weight medium, for light-duty and noncontinuous operations: ideal for car refinishing booths.

FV-HD

3" blue - Efficient, compact medium, ideal for intensive use, such as in industrial downdraft cabins.

FV-100

4" green - Extra-thick medium: for vertical installation, in cross-draft painting booths.

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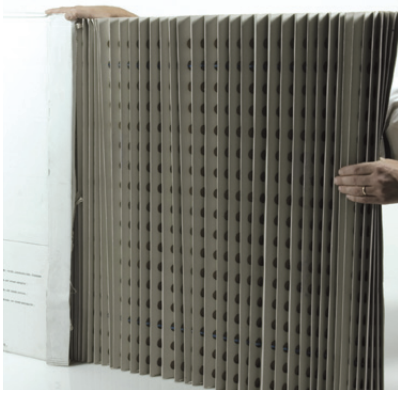
Mist | Powder | Vapour

AN Curtain



The ideal dry filter, for cross-draft painting booths.

AN represents the next step in innovation over old fashioned water curtain spray booths, completely eliminating murky water from the entire process. With AN you can easily retrofit your old, expensive, pollutant water curtain booth with this practical, compact, self-supporting, efficient filter curtain, made of pure cellulose board.

AN curtain easily fits all modern dry-type cross-flow spray booths for finishing a variety of surfaces including wood, plastic, metal, leather on items such as: furniture, light appliances, fashion and sport items, bikes, car components, helmets, etc. Easy to install, AN curtains are environment friendly (recyclable and incinerable) and they retain extremely high paint loads, whilst ensuring a constant air flow across the cabin.

Tightly pleated within a highly compact individual box, one AN concertina, when unpacked, expands to cover approx 9 sq. mtrs of area. So it's easy to see why these curtains are the most popular paint overspray collector applied on cross-draft spray-booths. VA filter media offer a tailored solution to the air filtration and diffusion requirements of each industrial finishing plant or car refinishing environment.

Paintrap

The flexible solution for slow curing paint mists

When slow drying, high solid paint is applied (e.g.: wood and plastics glossy enamels) the "punched paper" multi-layer filter entraps large quantities of dense overspray within its open honeycomb structure. Paintrap fits without any modification into water-curtain booths, when these are used without water, as dry booths; Paintrap blankets are available as rolls that can be easily cut, shaped or bent for installation on air suction grilles of any shape, either vertically or horizontally.

Paintrap HC is designed for higher density overspray, whereas Paintrap HCE II, with its additonal non-woven synthetic layer is ideally suited for smaller paint droplets and offers filtration efficiencies comparable to those of FV blankets.

CAPTURING SOLVENT VAPOURS – SAVING MONEY & THE ENVIRONMENT

When solvent-based paints are sprayed, most of the solvents and thinners evaporate, releasing vapours of sundry volatile compounds (VOCs) into the air, wasting many tons of expensive chemicals in the process. Legislation in many countries forbid such air pollution, and, even when spills-off are within the limits of the law, many legal disputes arise from neighbouring parties annoyed by associated odours. Reusable activated carbon intercepts such VOC vapours and allows the recovery of the solvents captured.

JD

Renewable Powder Collectors

JD cylindrical and conical cartridges, made from finely pleated, heavy duty resin-bonded cellulose medium (spun-bonded polyester medium also available) can collect powder pigments, sands and a variety of airborne dry, coarse dusts. JD cartridges support many cleaning cycles, either by air blowback or mechanical shaking.

Available in a broad range of configurations, JD cartridges are the ideal complement to electrostatic powder coating plants, sandblast systems and all environments where a dry, coarse dust will be intercepted and recycled/disposed.

Vapour Removal

A Variety of Solutions for Removing Solvent Vapours

Acsol B is a selected blend of pelletized, virgin, activated carbon, for effective and permanent organic vapour adsorption from treatment of spray booths flue air. ACH is a comprehensive range of canisters, drums, and trays designed to fulfill spare requirements of most brands of exhaust air cleaning units.

Customized Mfd Filter Sleeves and Tc Disposable Panels renew the prefiltration stage that helps to preserve the sensitive carbon granules from the poisoning caused by the deposition of paint dust over the active granules.

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Particle Filtration

P Class

Synthetic Filter Media

Made from binary polyester staples, thermally bonded in a progressive density pattern, P Class media are supplied in roll or pad format. Easy to cut, sew, weld and stitch using ordinary tools and equipment, P Class can easily be transformed into flat pads, sleeves, pockets and multi-pockets. The P Class range is flame retardant, non-toxic, chemically inert to most agents, unaffected by bacteria, mildew, or humidity, and are fully incinerable.

P-100
Very low weight media, for screening insects, pollens, fibers, debris
G2 class (EN 779) F1 class (DIN 53438)

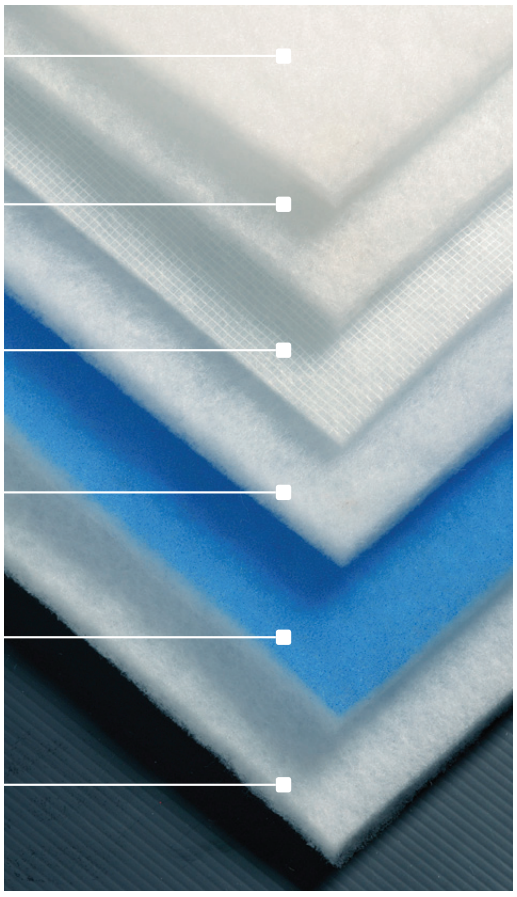
P-150
Low weight, air permeable media, featuring a low pressure drop
G3 class (EN 779) F1 class (DIN 53438)

P-150-R
Scrim backed, unstretchable media, for high air speed applications
G3 class (EN 779) F1 class (DIN 53438)

P-200
Versatile, cost-effective media, for all basic air filtration requirements
G3 class (EN 779) F1 class (DIN 53438)

P-200-CL
Fine, efficient, long lasting, progressive density media
G4 class (EN 779) F1 class (DIN 53438)

P-500
Compact, self supporting, stiff media, for heavy duty applications
G4 class (EN 779) F1 (DIN 53438)



Hepatex Zero Ohm

The Explosion-Proof Hepa filter

Equipped with a grid type media discharging system wired to the main ground connector of the system, Hepatex Zero Ohm do not accumulate electrostatic charge and can safely be loaded with potentially explosive powders. Acting as final "safety" filter, Hepatex Zero Ohm protect the environment from potential accidental spill-out of toxic dusts during system failure.

▲ Hepatex Zero Ohm

Revo II

The Air Filter Revolution

A revolutionary bag filter which utilises the latest nanofibre technology, to combine certified performance with an exceptionally low pressure drop, for the longest lifetime and a low lifetime cost.

▲ Revo II

Compatex TMP-TMPC

For Fine and EPA Filtration of Make-Up Air

Extremely solid, high performing, reliable and long lasting, this compact filter features top performance in the lowest space occupied, for any filtration grade between M6 to E12 (according to EN 779 and EN1822 respectively).

▲ Compatex TMPC

PARTICLE FILTRATION – PROVIDING ULTRA-CLEAN ENVIRONMENTS FOR HI-TECH COATINGS

With ever advancing coating processes, either in the car industry, or in other advanced technologies such as aerospace applications, the desired air cleanliness level has increased dramatically. As a result, more and more industrial finishing systems adopt fine, EPA and HEPA filters in make-up air units and ceiling diffusers.

Our vast expertise in cleanroom facilities for a variety of applications has led us to develop a wide selection of high efficiency and absolute filters capable of removing airborne particles down to the smallest of submicron sizes.

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