

AIR FILTRATION
H
SYSTEMS **F**ILTRATION

DUST AND DRY SMOKES



OIL MIST



SOLVENTS





PROVEN
EXPERIENCE
FOR A NEW
CHALLENGE.



Company

HFiltration S.r.l. works with thirty years of experience, in the field of air dedusting and filtration in multiple industries safeguarding the environment and its sustainability applying the Quality and Security Certification. The experience gained over the years and staff competence, allow HFiltration to offer highly qualified advice and assistance, able to identify the best possible solution in filtration and dust extraction fields.



Staff

We are a team of people that assist the customer with professionalism and precision in all stages, from the identification of the filtration and air purification problems, to the after-sales services. Our sales account managers have technical skills and can react quickly to our customer's request, guiding them in choosing the solution that best suits their needs and are always available to clarify any doubts. Our products are designed respecting the environment and with particular attention to current standards.



Air filtration dust and dry smokes

The dry filtration systems works with the physic separation principle, that can occur through a filter media (cartridges, bags, rigid bag filters), or thanks to the centrifugal force of a Cyclone.

The classification of the dusts (material, particle size and concentration) permit to identify the best technology and the right plant's sizing.

PULSATRON COMPACT® Cartridge Filter



The Pulsatron Compact® range includes compressed air self-cleaning high efficiency cartridge filters that can solve all dry filtration problems.

APPLICATIONS

- [Coal](#) | [Cement](#) | [Welding smoke](#) | [Dry processing on tool machines](#)
- [Chemical processing](#) | [Pharmaceutical processing](#)
- [Plastic material processing](#) | [Grinding](#)
- [Dusty material handling](#) | [Sandblasting](#) | [Deburring](#)
- [Silo venting](#) | [Epoxy painting](#)

PULSATRON COMPACT® ATEX II 3D T155 Cartridge filter



Pulsatron Compact® ATEX cartridge filters were designed to ensure suitable application in Ex II 3D qualified atmospheres.

APPLICATIONS

[Coal](#) | [Foodstuff processing](#) | [Aluminium/zinc processing](#)
[Chemical processing](#) | [Pharmaceutical processing](#) | [Powder coating](#)

PULSATRON COMPACT® MINI Cartridge filter



The Pulsatron Compact® Mini is a small-sized self-cleaning cartridge filter.

APPLICATIONS

[Sanding machines](#) | [Grinding machines](#) | [Shot blasting machines](#)
[Polishing machines](#) | [Sharpening machines](#) | [Cleaning machines](#)
[Welding machines](#) | [Small tool machines with dry processing](#)

PC® BENCH



PC BENCH is a new range of suction benches designed to ensure a work area in the presence of smoke or dusty materials that safeguards operators and the production environment.

APPLICATIONS

[Grinding](#) | [Miscellaneous processing](#)

PC® CART



The range PC CART COMPACT range includes compressed air self-cleaning high efficiency cartridge filters that can solve all dry filtration problems.

APPLICATIONS

[Coal](#) | [Welding smoke](#) | [Chemical processing](#)
[Pharmaceutical Processing](#) | [Thermal break](#)

HJL CART Cartridge filter



The HJL CART cartridge filter is an equipment used to remove dust from gas streams. The HJL CART could receive as inputs medium/high concentrations of dust, using a very large filtering surface. Thanks to the cartridge features, it's possible to get a large filter surfaces with reduced dimensions.

APPLICATIONS

[Sandblasting](#) | [Deburring](#) | [Welding smoke](#) | [Cement](#)

[Dusty material handling](#) | [Grinding](#) | [Dry processing on tool machines](#)

[Chemical processing](#) | [Epoxy painting](#)

[Pharmaceutical processing](#) | [Plastic material processing](#)

PULSATRON H HORIZONTAL Cartridge filter



The PULSATRON H cartridge filter is a Pulse-Jet type self-cleaning modular dust remover with pneumatic cartridge cleaning via a puff of counter-current compressed air.

APPLICATIONS

[Smoke, dust filtration and suction of laser, oxyfuel or plasma cutting Technology](#)

[Contaminated, toxic dangerous environments](#)

[Food Products](#)

BAG COMPACT® Bag Filter



The wide range of modular, self-cleaning Bag Compact® bag filters is ideal for medium-light applications.

APPLICATIONS

- [Dry processing on tool machines](#) | [Chemical processing](#)
- [Pharmaceutical processing](#) | [Plastic material processing](#)
- [Plasma cutting](#) | [Grinding](#) | [Sandblasting](#)
- [Silo venting](#) | [Marble cutting](#)

HJL Bag filter



HJL series bag filters are made of carbon steel in thicknesses suited to working with high dust loads for external installation and 24h/day operation.

APPLICATIONS

- [Storage, handling, pneumatic transport, mixing, weighing and packaging powdery solid materials](#) | [Polishing, sandblasting](#)
- [Grinding, sanding, edging](#) | [Metal material, glass and other fusion processing](#)
- [Solid material and waste combustion operations](#)
- [Solid or assimilable material drying operations](#)

IDRODUST COMPACT® Hydrodynamic Filter



The Idrodust Compact® hydrodynamic filter is a hydrodynamic dust, vapour and gas suppressor that uses the effect of micromixing the gas to be treated with water.

APPLICATIONS

- [Water soluble gas flows](#)
- [Mechanical processing in general](#)
- [Sandblasting](#)
- [Metal glazing](#)
- [Generic dust](#)

PC® CYCLONE Dust Separator



The PC-CYCLONE dust separator is a centrifugal pre-separator, that purifies air from dust using the principle of centrifugal force.

APPLICATIONS

- [Coal](#)
- [Cement](#)
- [Welding smoke extractor](#)
- [Grinding](#)
- [Deburring](#)
- [Dry processing on tool machines](#)
- [Foodstuff processing](#)
- [Powdery material handling](#)
- [Marble cutting](#)
- [Lathes](#)
- [Aluminium/zinc processing](#)
- [Chemical processing](#)
- [Pharmaceutical processing](#)
- [Sandblasting](#)
- [Powder coating](#)



OIL MIST filtering

In many industrial processes oil smoke and oil mist, which are especially prevalent in mechanical processing, are generated; in these cases, depending on the applications, we design and manufacture three different solutions: CLEANMIST, a small equipment that fits easily in the workplace, Mist Compact, a modular filter suitable for centralized systems and Mist Compact Oil smoke, for the air in heavy work conditions with presence of oily smoke.

Oil Mist Centrifugal Filter CLEANMIST®



The CLEANMIST® range includes a vast series of oil mist centrifugal filters and electrostatic filters. Air polluted by oil mist or liquid coolant is channelled into the centrifugal filter that exploiting the principle of coalescence separate the gas flow from the aerosol oily.

APPLICATIONS

[CNC Tool machines](#)

[Lathes](#)

[Applications with the presence of Oil](#)

[Metal washing machinery](#)

Oil mist coalescence filter MCOS



Mist Compact® Oil Smoke is a filtration system designed to separate oil and smoke particles from the air in harsh work conditions, using the principle of coalescence. Applications for this type of filtration are harsh mechanical processing such as: bar turning on cam lathes.

APPLICATIONS

[CNC Tool machines](#)

[Lathes](#)

[Applications with the presence of Oil and smoke](#)



V.O.C

For the removal of solvents, depending on the concentration and type of pollutant, we offer customized solutions, providing wet scrubbers or regenerative thermal oxidizer.

SCRUBBER – Washing Tower



The scrubber or washing tower is filtering equipment to abate the concentration of VOC and dust found in gas streams.

APPLICATIONS

[Water soluble VOC emissions](#)

Regenerative thermal oxidizer



A regenerative thermal oxidizer (RTO) is an abatement system designed to eliminate volatile organic compounds (VOC) and odours from the production lines via incineration.

APPLICATIONS

[VOC emissions](#)

Activated carbon filters



Activated carbon filtration is an air purification technology, thanks to which a gas stream is purified of polluting elements simply going through a bed of active carbons.

APPLICATIONS

[VOC emissions](#)

Service & Spare Parts

Customer service, spare parts and maintenance for a whole service

We do not just sell our products, but we help our clients, both with telephone diagnosis and possible provision of necessary spare parts or with the timely intervention of our technicians on site, ensuring high performances and sustainable operating costs.



MORE
THAN
A SUPPLIER



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Certifications



BS OHSAS 18001



ISO 9001