Absolent

Part of Absolent
Air Care Group

Product Catalogue

2026

Product Catalogue

Industrial Air Filtration for Dust & Fume, Oil Mist, and Oil Smoke.

There are filters. AND THERE IS ABSOLENT.

Many filters promise clean air, but not all deliver. Some lose efficiency over time. Others demand constant maintenance. At Absolent, we don't just capture 99.95% of the particles from oil mist, smoke, and dust; we deliver clean air you can count on for at least one year, with minimal maintenance. So while other filters clog, ours keeps working.

The secret is our multi-stage filtration system. While many filters focus on capturing larger particles, our multi-stage system is designed to remove both the big ones and the smallest, most harmful contaminants. By trapping larger particles early, we protect the HEPA filter from clogging, ensuring it performs at full capacity for much longer. That's why we say: There are filters. And there is Absolent.

See why our filters are different from others.

Learn more at absolent.com/what-we-do/there-are-filters-and-there-is-absolent/

Stand-alone, Machine Mounted or Centralized?

Absolent offers a comprehensive range of filtration solutions designed to meet the needs of the modern manufacturing industry. Whether you need to equip a single machine, upgrade an existing installation or design a plant-wide system, our filter units are engineered to deliver high separation efficiency, reliable operation and a long service life.

One Filter Unit
One Machine

Stand-alone filter units are always easily accessible right on or by your machine.

Optimising the distance between the machine and the filter reduces energy consumption. This solution is highly flexible - when the machine is relocated, the filter can be moved with it.

Cutting fluids can be kept separate and easily returned to the machine.

This solution is ideal for installations where space is limited, and it can be mounted on the ceiling, installed on a wall, integrated directly onto the machine or placed on a stand next to it.

One Filter Unit
Several Machines

Centralized filter unit connected by ducting to one or several machines.

Reducing the total airflow when not all machines are operating simultaneously improves overall energy efficiency.

Filter servicing and maintenance can be centralised and limited to a single area.

This solution is ideal for connection to the general ventilation system, enabling heated air to be recirculated.

Thanks to its high capacity, it can accommodate large machines or multiple machines operating at the same time. The unit can be installed wherever there is floor space available, rather than directly next to each machine.

Absolent installation at Pyrotek, Sweden.
Solution: AD051 (the first ever AD unit installed)

Absolent installation at MAN, Germany.
Solution: A·mist80TF (one filter unit for each machine)

Why the Difference Matters

Oil mist and oil smoke may appear similar- but their behaviour, and the risk they pose, are very different. Without proper filtration, both air quality and system performance are compromised.

Oil mist consists of larger, heavier droplets formed from coolant emulsions, water mixed with oil, which makes it relatively easier to capture. Oil smoke, on the other hand, is fundamentally different. It is typically generated from neat oil when metalworking fluids overheat due to high machining speeds. The result is ultrafine particles that can remain airborne for days and are significantly more harmful when inhaled.

We tackle this problem with multi-stage filtration. Our main filters remove the majority of mist and smoke early, so the HEPA filter focuses only on filtering the smallest, most dangerous particles. This extends filter life, maintains performance, and reduces maintenance costs.

But we don’t stop there.

Our filtration systems always deliver precise airflow, ensuring that oil particles are contained within the CNC machine. No leaks. No overspray. No contaminated air escaping.

It’s not just about removing particles. It’s about controlling the environment.

At Absolent, clean air is never left to chance. We engineer certainty. Because when you capture more at source up front, you protect more down the line – your filters, your machines, and most importantly, your people.

Learn more at absolent.com/what-we-do/how-it-works-new/

Table of contents

We are Absolent

Oil Mist Filtration

Engineered for machining processes where coolant-based mist forms in the production environment.

Our units collect mist directly at the machine, drain and return coolant for reuse, and deliver long maintenance intervals with stable performance – even in demanding production cycles.

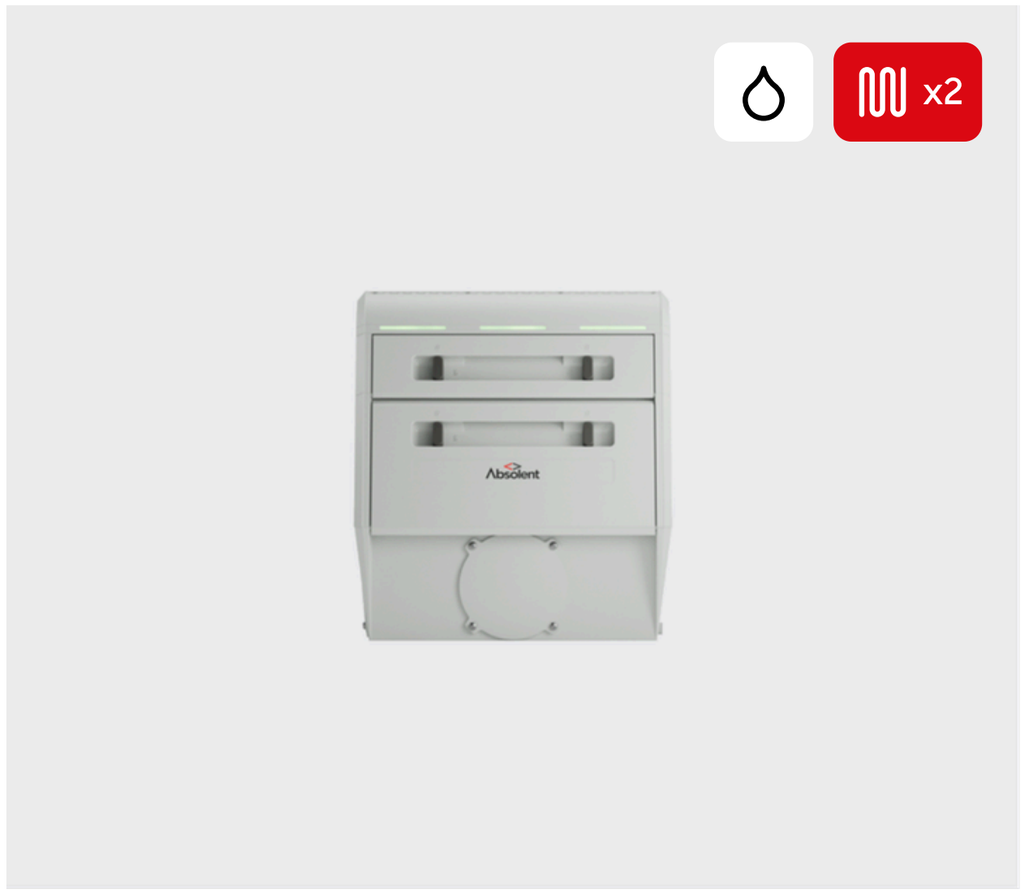
Absolent AW Range

The AW range is a next-generation oil mist filter designed for machine tool integration. It combines low vibration, lightweight construction, and Plug & Play installation. With four connection points and a compact footprint, AW is built for modern machining environments where uptime, precision, and energy efficiency are critical.

The AW range is engineered to meet the challenges of high precision and micro machining, including:

- ✓ Preventing unplanned production stops caused by oil mist buildup
- ✓ Lowering maintenance costs and extended machine tool servicing
- ✓ Creating a healthier workplace with clean air and fewer absences

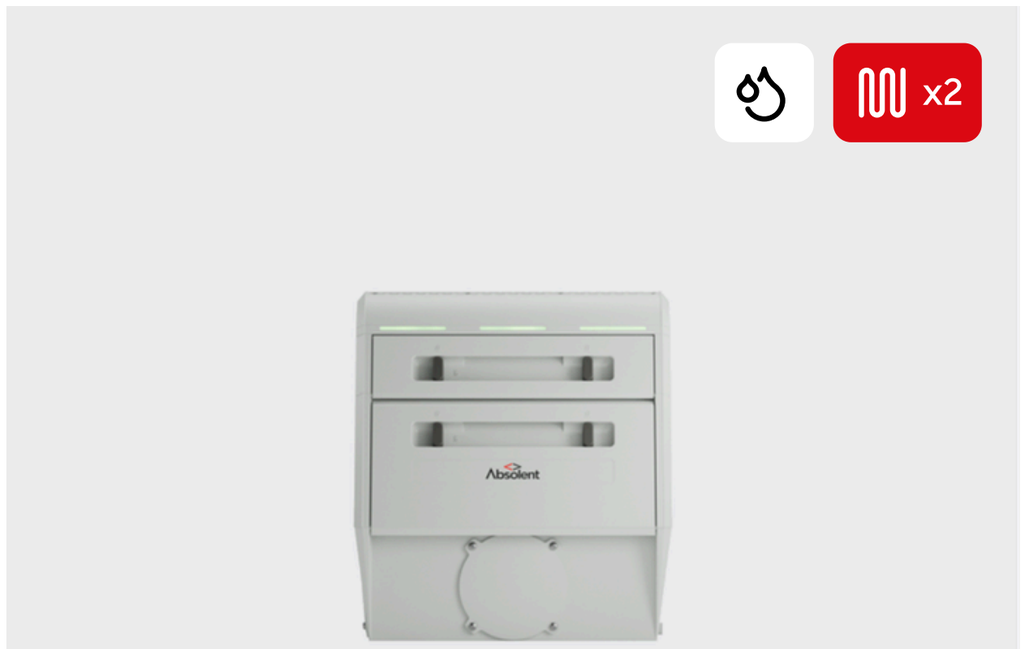
Oil Mist Filtration



AW2-09

Machine-mounted oil mist filter unit, engineered to meet the demands of precision and micro machining.

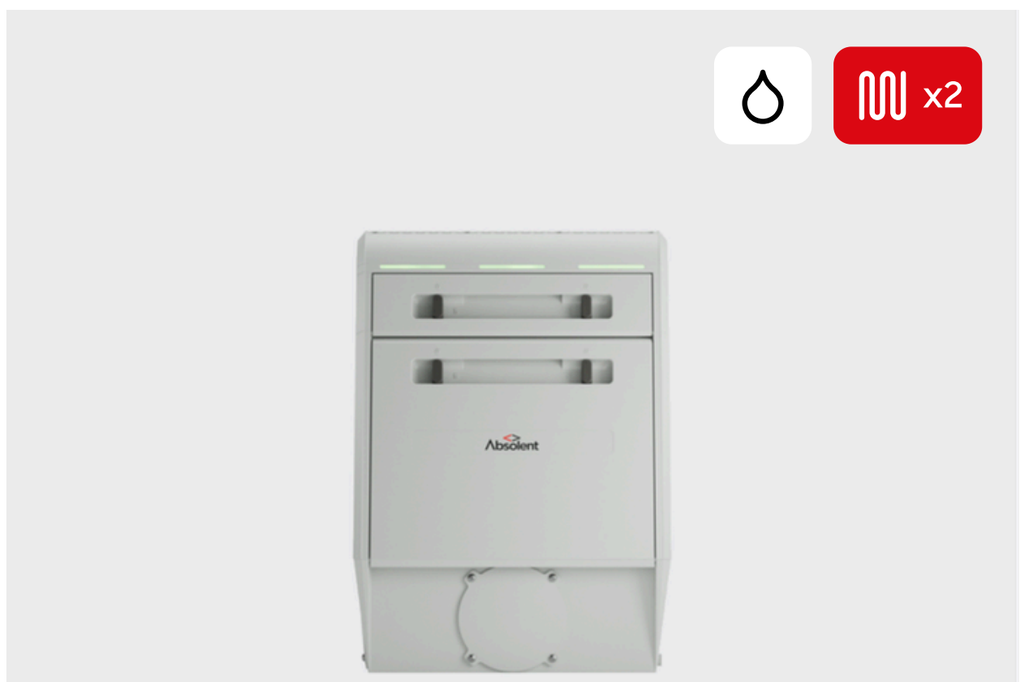
Particle load	15 mg/m³
Nominal airflow	250 m³/h
External pressure drop	100 Pa
Fan motor power	170 W
Weight with dry filter cassettes	25 kg
Inlet duct diameter	Ø 150 mm
Dimensions	472 x 526 x 663 mm



AW2-10

Machine-mounted oil mist filter unit, engineered to meet the demands of precision and micro machining.

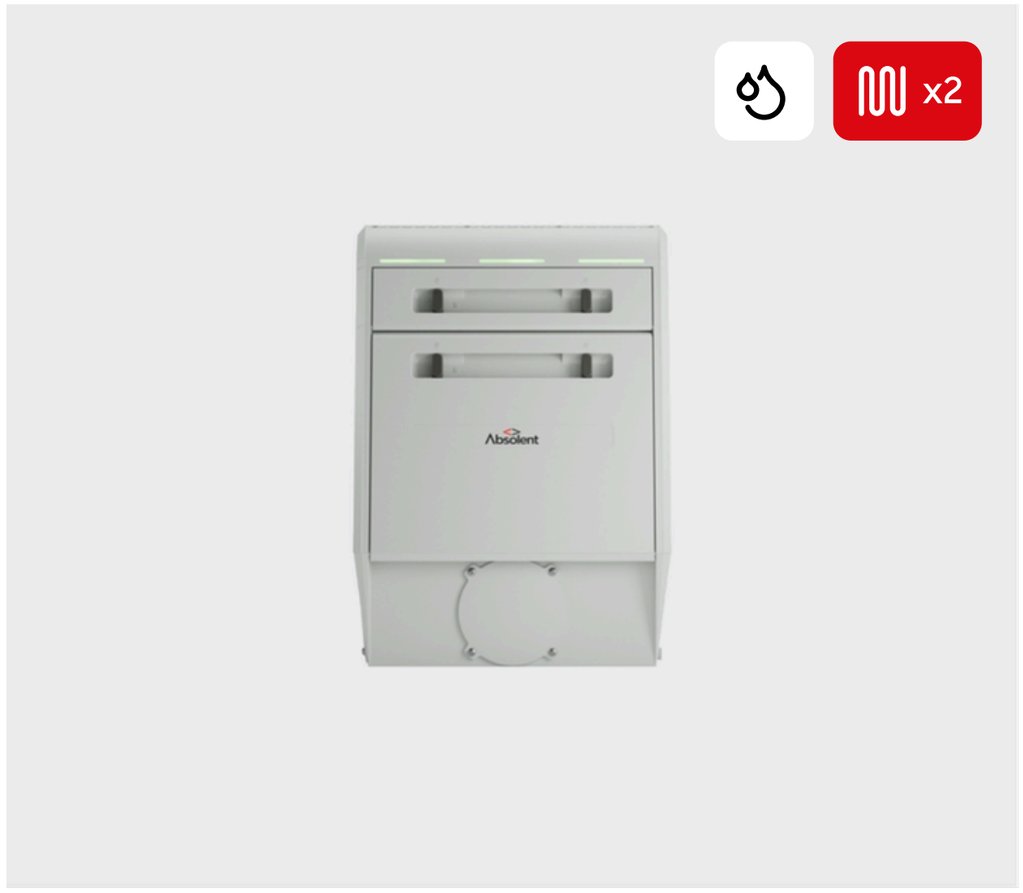
Particle load	30 mg/m³
Nominal airflow	250 m³/h
External pressure drop	100 Pa
Fan motor power	170 W
Weight with dry filter cassettes	27 kg
Inlet duct diameter	Ø 150 mm
Dimensions	472 x 569 x 679 mm



AW5-12

Machine-mounted oil mist filter unit, engineered to meet the demands of precision and micro machining.

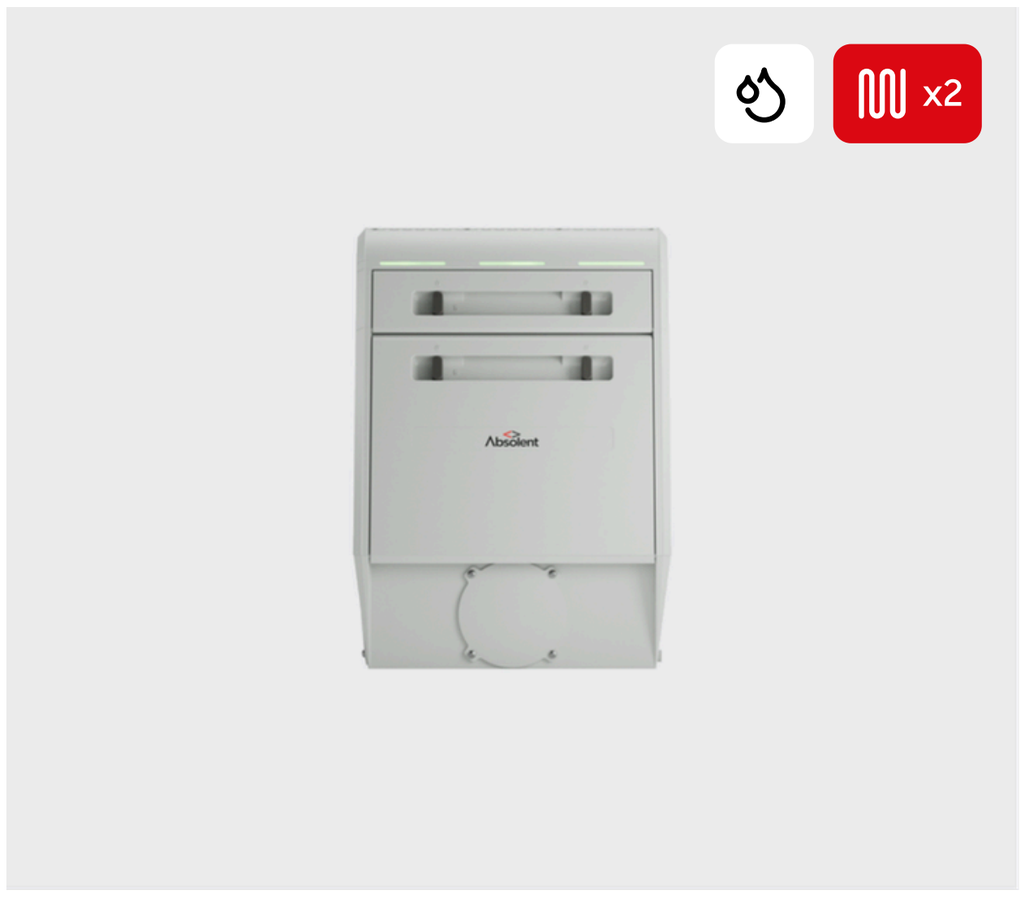
Particle load	15 mg/m³
Nominal airflow	500 m³/h
External pressure drop	300 Pa
Fan motor power	500 W
Weight with dry filter cassettes	30 kg
Inlet duct diameter	Ø 150 mm
Dimensions	472 x 667 x 714 mm



AW5-13

Machine-mounted oil mist filter unit, engineered to meet the demands of precision and micro machining.

Particle load	30 mg/m³
Nominal airflow	500 m³/h
External pressure drop	300 Pa
Fan motor power	500 W
Weight with dry filter cassettes	35 kg
Inlet duct diameter	Ø 150 mm
Dimensions	472 x 712 x 731 mm



AW8-13

Machine-mounted oil mist filter unit, engineered to meet the demands of precision and micro machining.

Particle load	20 mg/m³
Nominal airflow	800 m³/h
External pressure drop	200 Pa
Fan motor power	500 W
Weight with dry filter cassettes	35 kg
Inlet duct diameter	Ø 150 mm
Dimensions	472 x 712 x 731 mm

Why oil mist filtration is needed

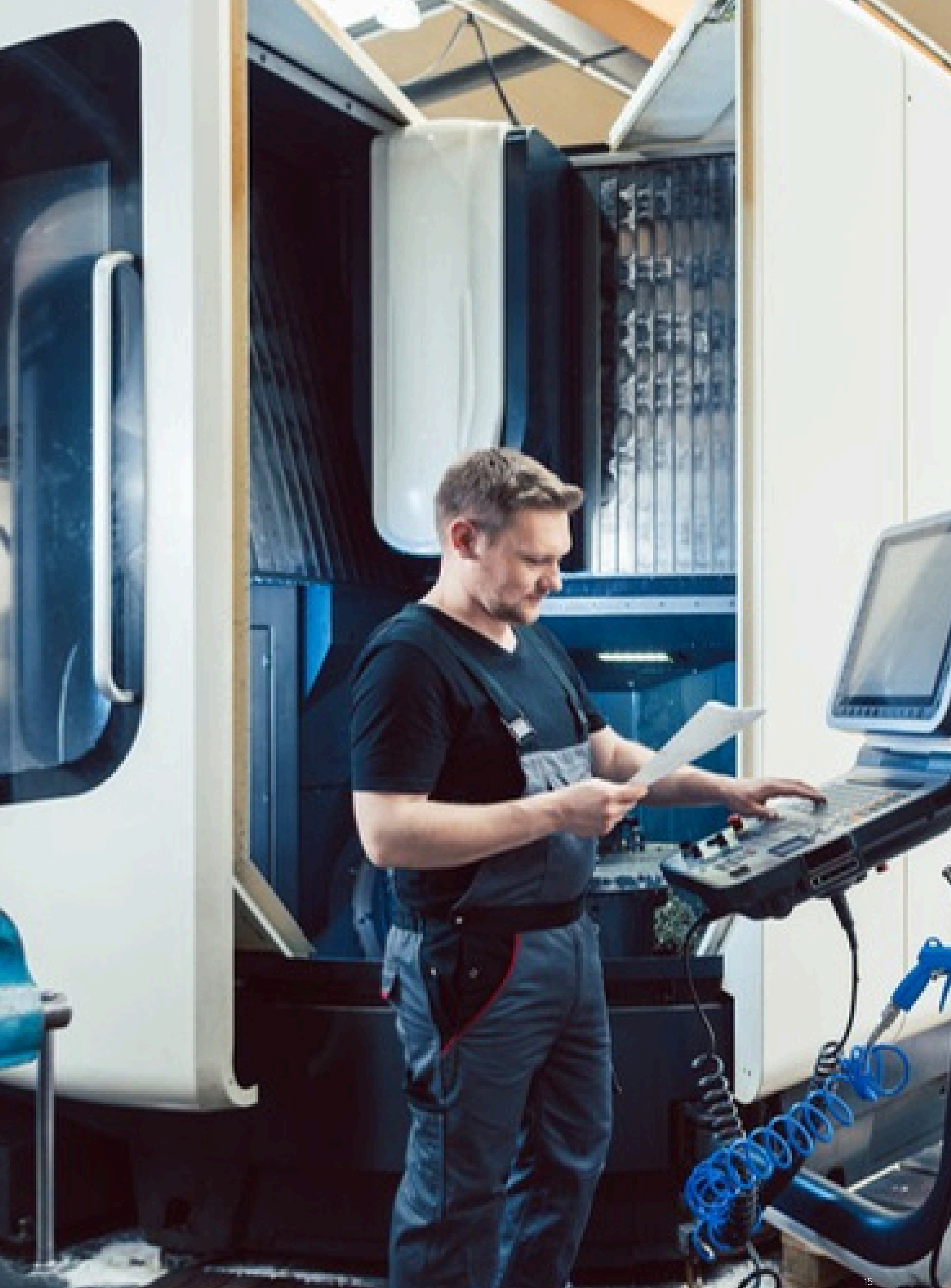
- Oil mist particles can enter the respiratory system and are associated with increased long-term health risks, including cancer.
- Oil mist builds up in the ventilation system. This increases the risk of both fire and system contamination.
- Oil mist makes floors slippery and leaves residue on machines and walls. This increases cleaning efforts and maintenance costs.
- Oil mist clogs heat exchangers. Efficiency drops, and operating costs rise.

Every unit in the AW range is built with Absolent’s patented technologies for lasting efficiency.

Catch & Release™ fibrebed filters are self-draining, enabling continuous performance and longer filter-life. EcoDrive™ automatically maintains the right airflow, cutting energy use while ensuring stable filtration.

The AW packs a lot of filtration power into it’s compact frame. Despite the small footprint, the range can handle airflows of up to 800 m³/h (470 cfm) and particle loads up to 30 mg/m³. Each unit is factory-calibrated with five selectable airflow levels so capacity can easily be matched to process needs.

AW is not just an oil mist filter. It is a future-ready solution designed to keep production reliable, efficient, and safe. By combining Plug & Play convenience, advanced filter technology, and compact design, Absolent helps you maximize machine uptime while safeguarding your workforce and the environment.



Absolent A·mist

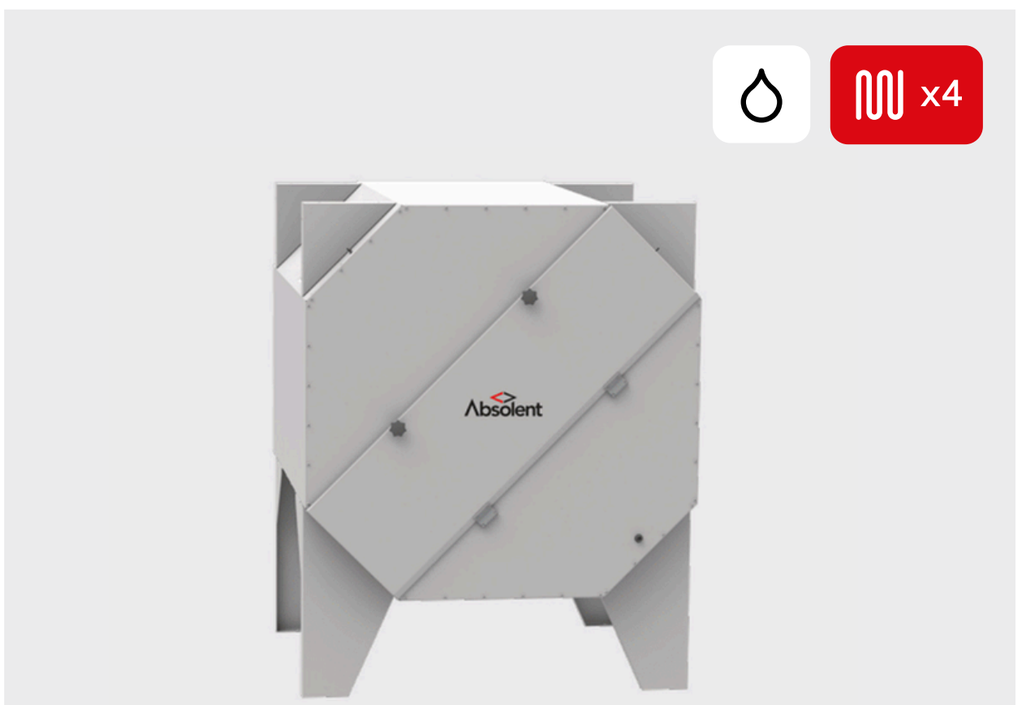
In CNC machining applications operating at moderate speeds and coolant pressures, oil mist can escape into the workshop environment. The mist consists of medium-sized particles, forming a noticeable haze that affects both air quality and operating costs.

Prolonged exposure can impact operator health and lead to unnecessary losses of coolant and oil. By integrating an A·mist oil mist filter, these challenges are effectively eliminated through efficient filtration and a cost-effective design– ensuring a cleaner workspace, healthier operators, and improved process economy

A·mist 10C

A·mist10C combines efficient oil mist filtration, adjustable exhaust levels, and an integrated LCD monitor for controlled machining environments.

Particle load	10 mg/m³
Nominal airflow	1000 m³/h
External pressure drop	100 Pa
Fan motor power	550 W
Weight with dry filter cassettes	110 kg
Inlet duct diameter	Ø 160 mm
Dimensions	1077-1190 x 807 x 903 mm



A·mist 80C

A·mist80C enables cost-efficient oil mist filtration for large airflow, with flexible adjustment to different process conditions.

Particle load	10 mg/m³
Nominal airflow	8000 m³/h
External pressure drop	700 Pa
Fan motor power	550 W
Weight with dry filter cassettes	250 kg
Inlet duct diameter	Ø 400 mm
Dimensions	1165 x 1470 x 1336 mm

Built to adapt.

- Modular design for flexible configuration and scalability.
- Cost-efficient by design, simple adjustment to different operating conditions.
- Well suited for integration as a ventilation unit prefilter.

A·smart

Connect today.

Our filter units can be connected to a smart IoT solution to optimize performance and improve energy efficiency.

Learn more at absolent.com/your-digital-journey-starts-here-2/

Absolent A·erity Range

The powerful A·erity range is made for industrial operations, ensuring clean air for at least 8,760 operating hours. Advanced filter technology minimises unplanned downtime, enabling you to concentrate on your core activities.

Designed for reliable performance and seamless integration into your production environment, A·erity is built on tested and proven technology and developed with extensive expertise.

Read more!

A·erity 5-30 Compact

A compact and easy-to-handle filter unit for the filtration of polluted air in industrial environments.

Particle load	30 mg/m³
Nominal airflow	500 m³/h
External pressure drop	50 Pa
Fan motor power	0.75 kW
Weight with dry filter cassettes	120 kg
Inlet duct diameter	Ø 160 mm
Dimensions	700 - 815 x 1645 - 2035 x 530 mm

A·erity 10-10 Compact

A compact and easy-to-handle filter unit for the filtration of polluted air in industrial environments.

Particle load	10 mg/m³
Nominal airflow	1000 m³/h
External pressure drop	250/450 Pa
Fan motor power	0.5/0.75 kW
Weight with dry filter cassettes	120 kg
Inlet duct diameter	Ø 160 mm
Dimensions	700 - 815 x 1645 - 2035 x 530 mm

A·erity 10-20 Compact

A compact and easy-to-handle filter unit for the filtration of polluted air in industrial environments.

Particle load	20 mg/m³
Nominal airflow	1000 m³/h
External pressure drop	250/450 Pa
Fan motor power	0.5/0.75 kW
Weight with dry filter cassettes	120 kg
Inlet duct diameter	Ø 160 mm
Dimensions	700 - 815 x 1645 - 2035 x 530 mm

A·erity 10-30

A powerful filter unit for cleaning polluted air in industrial operations.

Particle load	30 mg/m³
Nominal airflow	1000 m³/h
External pressure drop	300/600 Pa
Fan motor power	0.55/1.1 kW
Weight with dry filter cassettes	200 kg
Inlet duct diameter	Ø 200 mm
Dimensions	700 - 815 x 1770 - 2170 x 758 mm

A·erity 15-10

A powerful filter unit for cleaning polluted air in industrial operations.

Particle load	10 mg/m³
Nominal airflow	1500 m³/h
External pressure drop	300/950 Pa
Fan motor power	0.55/1.1 kW
Weight with dry filter cassettes	200 kg
Inlet duct diameter	Ø 200 mm
Dimensions	700 - 815 x 1770 - 2170 x 758 mm

A·erity 15-20

A powerful filter unit for cleaning polluted air in industrial operations.

Particle load	20 mg/m³
Nominal airflow	1500 m³/h
External pressure drop	300/950 Pa
Fan motor power	0.55/1.1 kW
Weight with dry filter cassettes	200 kg
Inlet duct diameter	Ø 200 mm
Dimensions	700 - 815 x 1770 - 2170 x 758 mm

A·erity 20-10

A powerful filter unit for cleaning polluted air in industrial operations.

Particle load	10 mg/m³
Nominal airflow	2000 m³/h
External pressure drop	650/1150/1650 Pa
Fan motor power	1.1/2.2 kW
Weight with dry filter cassettes	200 kg
Inlet duct diameter	Ø 200 mm
Dimensions	700 - 815 x 1660 - 2160 x 758 mm

A·erity 20-20

A powerful filter unit for cleaning polluted air in industrial operations.

Particle load	20 mg/m³
Nominal airflow	2000 m³/h
External pressure drop	450/950/1450 Pa
Fan motor power	1.1/2.2 kW
Weight with dry filter cassettes	250 kg
Inlet duct diameter	Ø 200 mm
Dimensions	700 - 815 x 2060 - 2460 x 758 mm

Oil Mist Filtration

A·erity 20-30

A powerful filter unit for cleaning polluted air in industrial operations.

Particle load	30 mg/m³
Nominal airflow	2000 m³/h
External pressure drop	450/950/1450 Pa
Fan motor power	1.1/2.2 kW
Weight with dry filter cassettes	250 kg
Inlet duct diameter	Ø 200 mm
Dimensions	700 - 815 x 2060 - 2460 x 758 mm

A·erity 20-70

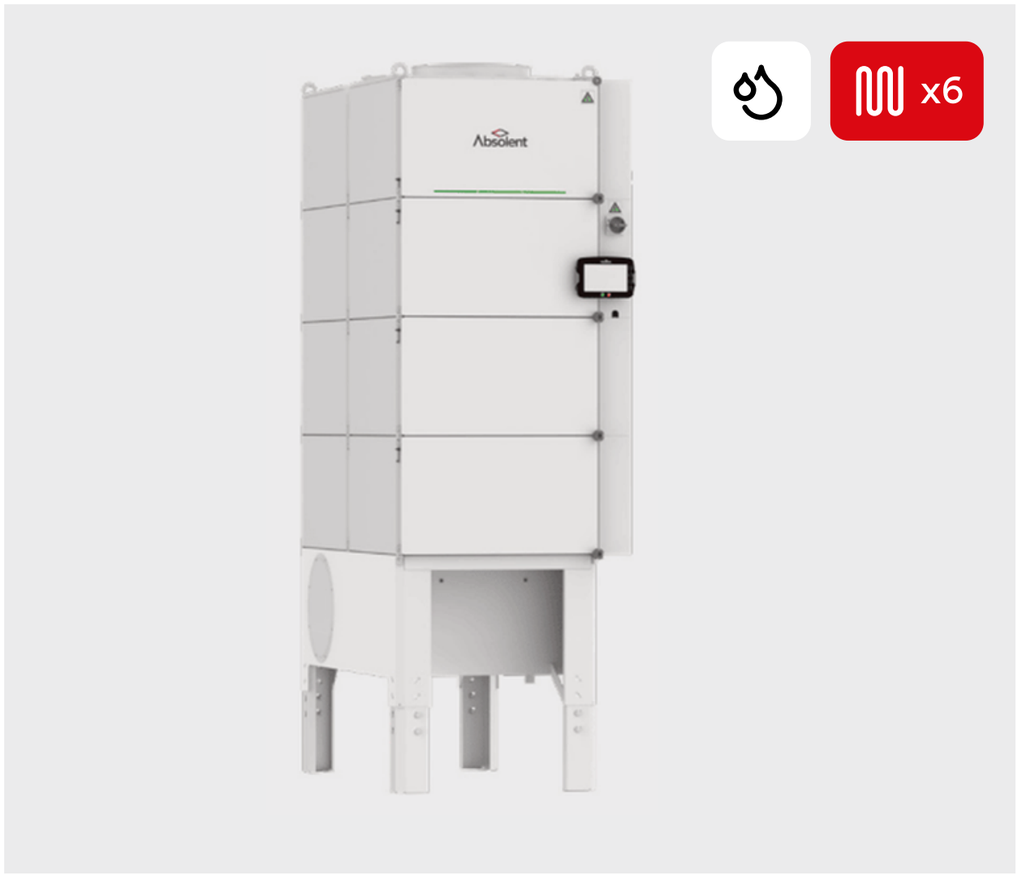
A powerful filter unit for cleaning polluted air in industrial operations.

Particle load	70 mg/m³
Nominal airflow	2000 m³/h
External pressure drop	600/1100 Pa
Fan motor power	1.1/2.2 kW
Weight with dry filter cassettes	300 kg
Inlet duct diameter	Ø 200 mm
Dimensions	700 - 815 x 2460 - 2860 x 758 mm

A·erity 40-10

A powerful filter unit for cleaning polluted air in industrial operations.

Particle load	10 mg/m³
Nominal airflow	4000 m³/h
External pressure drop	1150/1650 Pa
Fan motor power	2x2.2 kW
Weight with dry filter cassettes	200 kg
Inlet duct diameter	Ø 315 mm
Dimensions	700 - 815 x 1770 - 2170 x 1462 mm



A·erity 40-20

A powerful filter unit for cleaning polluted air in industrial operations.

Particle load	20 mg/m³
Nominal airflow	4000 m³/h
External pressure drop	950/1450 Pa
Fan motor power	2x2.2 kW
Weight with dry filter cassettes	500 kg
Inlet duct diameter	Ø 315 mm
Dimensions	700 - 815 x 2170 - 2570 x 1462 mm

A·erity 40-30

A powerful filter unit for cleaning polluted air in industrial operations.

Particle load	30 mg/m³
Nominal airflow	4000 m³/h
External pressure drop	950-1450 Pa
Fan motor power	2x2.2 kW
Weight with dry filter cassettes	500 kg
Inlet duct diameter	Ø 315 mm
Dimensions	700 - 815 x 2570 - 2970 x 1462 mm

A·erity 40-70

A powerful filter unit for cleaning polluted air in industrial operations.

Particle load	70 mg/m³
Nominal airflow	4000 m³/h
External pressure drop	600/1100 Pa
Fan motor power	2x2.2 kW
Weight with dry filter cassettes	590 kg
Inlet duct diameter	Ø 315 mm
Dimensions	700 - 815 x 2570 - 2970 x 1462 mm

We are Absolent

Oil Smoke Filtration

Built for high-temperature and high -load applications that generate fine aerosols and thermal oil smoke.

Our multi-stage systems can handle even the finest particles, protect equipment and employees, and and consistently provide reliable clean air during continuous operation.

Absolent A·line

A·line is a versatile filtration solution designed to adapt to changing production requirements. It is suitable both for demanding machines with high oil smoke levels and applications generating moderate amounts of oil mist.

A·line supports long-term flexibility in production. It can handle changes in coolant type, cutting speed, or coolant pressure without compromising filtration performance. Integrated smart monitoring ensures precise control of airflow and prevents any air from escaping the machine. The A·line range combines adaptability, performance and intelligent control to provide continuous clean air.

Oil Smoke Filtration

A·5

The small size of the filter units makes them ideal for machine mounting and best suited for machines that are running high RPM and high coolant pressure.

Particle load	70 mg/m³
Nominal airflow	500 m³/h
External pressure drop	100 Pa
Fan motor power	360 W
Weight with dry filter cassettes	80 kg
Inlet duct diameter	Ø 125 mm
Dimensions	560 x 850 x 665 mm

A·10

Machine-mounted oil mist filter unit, engineered to meet the demands of precision and micro machining.

Particle load	70 mg/m³
Nominal airflow	1000 m³/h
External pressure drop	1000 Pa
Fan motor power	1150 W
Weight with dry filter cassettes	140 kg
Inlet duct diameter	Ø 160 mm
Dimensions	965 x 920 x 680 mm

A·line today.

- Low maintenance costs thanks to long lasting filter cassettes and EcoDrive.
- Tilted Filter System with Catch&Release guarantees 8760h of clean air.
- Versatile placement thanks to double air inlets and oil outlets.


OK
Read more!

Absolent A·smoke Food

A·smoke Food is engineered for durability and hygienic performance in demanding food industry applications. Constructed from acid-proof stainless steel (1.4404), it withstands operating temperatures up to 90 °C and features a sloped, self-draining design that enables continuous operation without interruptions. Efficient oil and water separation allows recovered liquids to be collected for recycling or disposal, while service-friendly components support easy maintenance during operation.

The multi-stage filtration process combines self-draining Absolent filter cassettes with a final HEPA13 stage, ensuring consistent, high-efficiency removal of oil mist and smoke down to 0.3 µm. The result is reliable filtration performance, improved hygiene, and a robust solution designed for long-term operation in challenging food processing environments.

A·smoke 20 Food

Designed to meet the demands of challenging applications in the food industry.

Particle load	70 mg/m³
Nominal airflow	2000 m³/h
Weight with dry filter cassettes	362 kg
Inlet duct diameter	Ø 400 mm
Dimensions	700 x 2265 x 775 mm

A·smoke 40 Food

Designed to meet the demands of challenging applications in the food industry.

Particle load	150 mg/m³
Nominal airflow	4000 m³/h
Weight with dry filter cassettes	673 kg
Inlet duct diameter	Ø 400 mm
Dimensions	1280 x 2880 x 1090 mm

A·smoke 80 Food

Designed to meet the demands of challenging applications in the food industry.

Particle load	150 mg/m³
Nominal airflow	8000 m³/h
Weight with dry filter cassettes	1484 kg
Inlet duct diameter	Ø 400 mm
Dimensions	1280 x 3060 x 2090 mm

Absolent AE Range

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for. With a tilted multi-stage filter bed and intelligent fan control, each unit delivers powerful oil smoke extraction in a compact footprint. The design maximises filtration area while maintaining steady airflow, achieving unmatched filtration power density.

Smart features like IoT monitoring and compact filter cassettes reduce maintenance time and risk, ensuring long-term reliability. With flexible indoor and outdoor installation, AE units provide a low total cost of ownership, and a cleaner, safer workspace.

Oil Smoke Filtration

AE 20-150

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	150 mg/m³
Nominal airflow	2000 m³/h
External pressure drop	700 Pa
Fan motor power	3 kW
Weight with dry filter cassettes	340 kg
Inlet duct diameter	Ø 200 mm
Dimensions	815 x 2860 - 3265 x 758 mm

AE 20-250

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	250 mg/m³
Nominal airflow	2000 m³/h
External pressure drop	200 Pa
Fan motor power	3 kW
Weight with dry filter cassettes	340 kg
Inlet duct diameter	Ø 200 mm
Dimensions	815 x 2860 - 3265 x 758 mm

AE 40-150

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	150 mg/m³
Nominal airflow	4000 m³/h
External pressure drop	800 Pa
Fan motor power	2x3 kW
Weight with dry filter cassettes	600 kg
Inlet duct diameter	Ø 315 mm
Dimensions	815 x 3163 x 1455 mm

AE 40-250

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	250 mg/m³
Nominal airflow	4000 m³/h
External pressure drop	300 Pa
Fan motor power	2x3 kW
Weight with dry filter cassettes	600 kg
Inlet duct diameter	Ø 315 mm
Dimensions	815 x 3163 x 1455 mm

AE 60-150

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	150 mg/m³
Nominal airflow	6000 m³/h
External pressure drop	800 Pa
Fan motor power	3x3 kW
Weight with dry filter cassettes	945 kg
Inlet duct diameter	Ø 400 mm
Dimensions	1618 x 3240 x 1468 mm

AE 60-250

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	250 mg/m³
Nominal airflow	6000 m³/h
External pressure drop	300 Pa
Fan motor power	3x3 kW
Weight with dry filter cassettes	945 kg
Inlet duct diameter	Ø 400 mm
Dimensions	1618 x 3240 x 1468 mm

AE 80-150 Internal fan

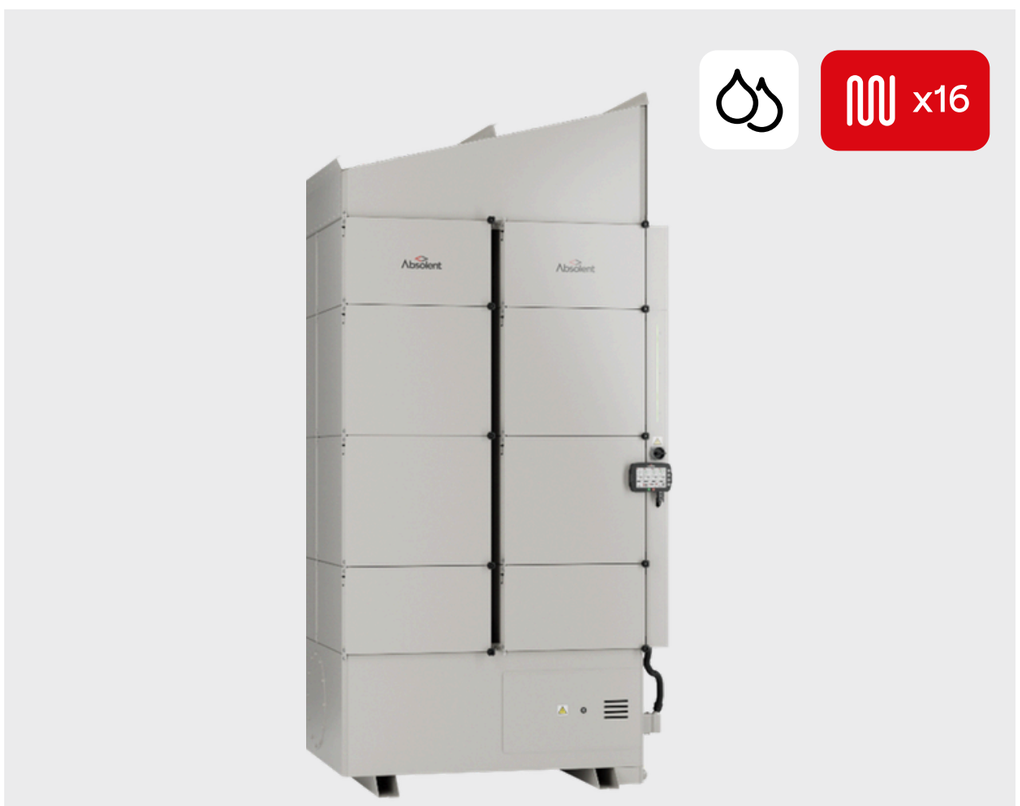
High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	150 mg/m³
Nominal airflow	8000 m³/h
External pressure drop	1900 Pa
Fan motor power	15 kW
Weight with dry filter cassettes	1295 kg
Inlet duct diameter	Ø 400 mm
Dimensions	1618 x 3880 x 1503 mm

AE 80-250 Internal fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	250 mg/m³
Nominal airflow	8000 m³/h
External pressure drop	1400 Pa
Fan motor power	15 kW
Weight with dry filter cassettes	1295 kg
Inlet duct diameter	Ø 400 mm
Dimensions	1618 x 3880 x 1503 mm



AE 80-150 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	250 mg/m³
Nominal airflow	8000 m³/h
Weight with dry filter cassettes	980 kg
Inlet duct diameter	Ø 400 mm
Dimensions	1618 x 3880 x 1503 mm

AE 80-250 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	250 mg/m³
Nominal airflow	8000 m³/h
Weight with dry filter cassettes	980 kg
Inlet duct diameter	Ø 400 mm
Dimensions	1618 x 3288 x 1503 mm

AE 120-150 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	150 mg/m³
Nominal airflow	12000 m³/h
Weight with dry filter cassettes	1615 kg
Inlet duct diameter	Ø 500 mm
Dimensions	2363 x 3559 x 1490 mm

AE 120-250 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	250 mg/m³
Nominal airflow	12000 m³/h
Weight with dry filter cassettes	1615 kg
Inlet duct diameter	Ø 500 mm
Dimensions	2363 x 3559 x 1490 mm

Oil Smoke Filtration

AE 160-150 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	150 mg/m³
Nominal airflow	16000 m³/h
Weight with dry filter cassettes	2000 kg
Inlet duct diameter	Ø 6300 mm
Dimensions	3143 x 3585 x 1490 mm

AE 160-250 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	250 mg/m³
Nominal airflow	16000 m³/h
Weight with dry filter cassettes	2000 kg
Inlet duct diameter	Ø 630 mm
Dimensions	3143 x 3585 x 1490 mm

AE 200-150 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	150 mg/m³
Nominal airflow	20000 m³/h
Weight with dry filter cassettes	2503 kg
Inlet duct diameter	Ø 630 mm
Dimensions	3893 x 3995 x 1490mm

AE 200-250 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	250 mg/m³
Nominal airflow	20000 m³/h
Weight with dry filter cassettes	2503 kg
Inlet duct diameter	Ø 630 mm
Dimensions	3893 x 3995 x 1490 mm

AE 240-150 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	150 mg/m³
Nominal airflow	24000 m³/h
Weight with dry filter cassettes	3089 kg
Inlet duct diameter	Ø 800 mm
Dimensions	4643 x 3995 x 1490 mm

AE 240-250 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	250 mg/m³
Nominal airflow	24000 m³/h
Weight with dry filter cassettes	3089 kg
Inlet duct diameter	Ø 800 mm
Dimensions	4643 x 3995 x 1490 mm

Oil Smoke Filtration

AE 320-150 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	150 mg/m³
Nominal airflow	32000 m³/h
Weight with dry filter cassettes	3979 kg
Inlet duct diameter	Ø 800 mm
Dimensions	5393 x 4094 x 1490 mm

AE 320-250 External fan

High particle loads, limited space, and long runtimes are not obstacles. They are what AE filtration units are built for.

Particle load	250 mg/m³
Nominal airflow	32000 m³/h
Weight with dry filter cassettes	3979 kg
Inlet duct diameter	Ø 800 mm
Dimensions	5393 x 4094 x 1490 mm

Why oil smoke filtration matter

- Inhaled oil smoke particles can enter the bloodstream and are linked to respiratory illness and cardiovascular disease.
- Oil smoke settles on machines and floors, causing wear, corrosion, and slipping hazards.
- The smoke contaminates sensors and control systems, reducing precision and shortening equipment lifespan.
- Poor air quality makes it harder to attract skilled workers and comply with health regulations, affecting productivity and compliance.

Tilted Filter Design For Longer Service Life – Indoors or Outdoors

The AE range, along with selected other Absolent filter units, is equipped with TFS – Tilted Filter System. By fitting the filter cassettes at an angle, drainage is improved and liquid is efficiently guided away from the filter media. This reduces stress on the material, extends filter life, and lowers service costs.

Filtration is carried out in several stages. Larger particles are captured early, followed by finer filter media that trap smaller contaminants. The final stage is a HEPA H13 filter, delivering at least 99.97% separation efficiency during continuous 24/7 operation for one full year.

The AE range is also available with an outdoor option, providing flexible installation without compromising clean air performance.

Read more!

We are Absolent

Dust & Fume Extraction

Designed for manufacturing environments where dry particles and fumes are generated through grinding, welding, laser cutting or surface treatment processes.

Our systems capture airborne particles at the source, protect operators, and maintain clean production areas - all while minimizing maintenance and energy use.

Absolent AD Range

AD dust and fume filter units combine efficient extraction with a compact footprint. True downflow-technology guides airflow in a vertical pattern to maximize performance while minimizing the space required. The patented CleanChange system allows safe, tool-free maintenance from the clean-air side. Modular architecture and right configuration make it possible to adapt the system to your application.

Built on decades of filtration expertise, the AD range sets a new standard for dust and fume filtration.

Why dust collection and fume extraction matters

- Inhaled dust and fume are linked to serious health risks, including respiratory illness, cognitive decline and cancer
- Contamination settles on machines and surfaces, leading to increased wear and higher cleaning costs
- Dust can damage sensitive electronics and control systems
- In many industries, airborne dust increases the risk of fires and explosions

Dust and fume extraction

AD 051

Compact footprint with unmatched filtration power density.

Airflow range	1200-3600 m³/h
External pressure drop	3000 Pa
Fan motor power	4/5.5/7.5 kW
Weight with fan	802 kg
Inlet duct diameter	Ø 250 mm
Dimensions	1581 x 3181 x 807 mm

AD 101

Compact footprint with unmatched filtration power density.

Airflow range	2400-7200 m³/h
External pressure drop	3000 Pa
Fan motor power	7.5/11/15 kW
Weight with fan	1188 kg
Inlet duct diameter	Ø 400 mm
Dimensions	1436 x 4061 x 1312 mm

AD 151

Compact footprint with unmatched filtration power density.

Airflow range	3600-10800 m³/h
External pressure drop	3000 Pa
Fan motor power	11/15/18.5 kW
Weight with fan	1800 kg
Inlet duct diameter	Ø 400 mm
Dimensions	1436 x 4443 x 1800 mm

Dust and fume extraction

Read more!

We are Absolent

Technology & Services

A·smart provides real-time monitoring, performance insights, and predictive service planning for Absolent filtration units.

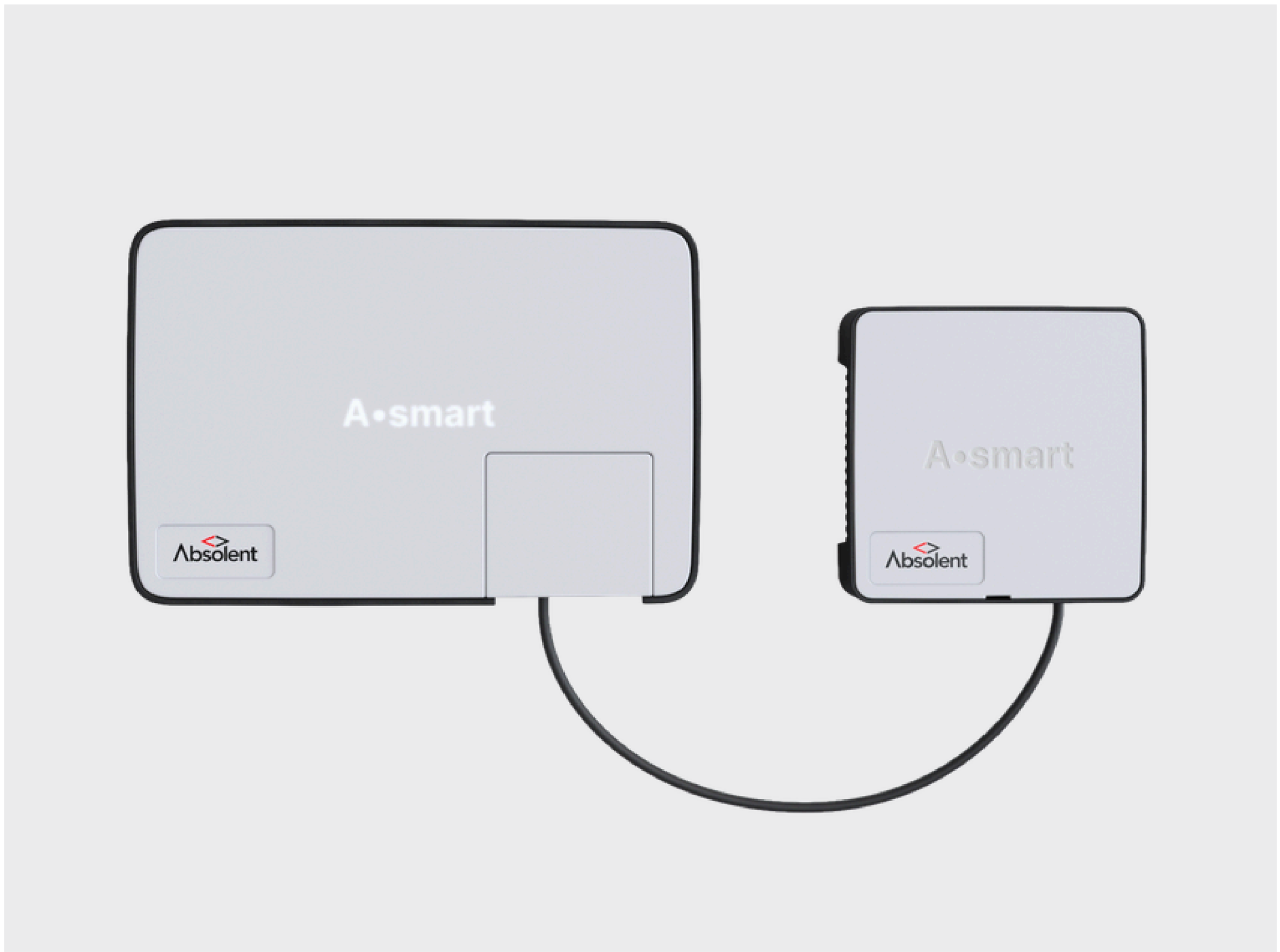
With live operating data, status alerts, and remote diagnostics, A·smart ensures your filter units run efficiently, reduce unplanned downtime, and maintain consistent air quality across your facility.

A·smart IoT Solution

Absolent A·smart is a system that enables continuous monitoring of your Absolent filter units. Operational data is collected, encrypted, and securely transmitted to the Absolent cloud without requiring access to the customer's local network. The data is then presented in a user friendly dashboard, accessible via laptop or mobile device.

The early detection of performance deviations enables you to reduce maintenance costs, improve production quality and minimise unplanned downtime. At the same time, A·smart helps to ensure that the filter unit continues to provide a healthier working environment.

With A·smart, you can maximise the performance and value of your Absolent equipment.



We are Absolent

Accessories

Absolent accessories are designed to optimize airflow, simplify installation, and ensure reliable long-term operation across every filtration system.

From pre-filters and ducting components to monitoring tools and mounting options, each accessory is engineered to support performance, safety, and easy integration into your production environment.

Absolent Filter Cassettes

It’s what’s inside that matters

Absolent filter cassettes are the heart of every Absolent filter unit, engineered to control oil mist, oil smoke, and airborne contaminants in demanding industrial environments. Each cassette uses advanced, multi-stage, self-draining filtration media to capture and separate particles with exceptional efficiency while continuously returning collected oil from the airstream.

This intelligent separation process maintains stable airflow, extends service life and ensures consistent filtration performance over time. Designed for continuous industrial use, Absolent filter cassettes combine robust construction with high filtration efficiency, providing clean, safe air while requiring minimal maintenance and offering maximum reliability.

- ✓ Self-draining with Catch & Release
- ✓ Unmatched filtration power density
- ✓ Optimal separation efficiency
- ✓ Consistent airflow through intelligent separation

A·erity Carbon – Activated Carbon Filtration

The Absolent carbon filtration system is designed to improve industrial processes by efficiently removing harmful gas molecules, eliminating odours and ensuring clean air during operations. The system can either be connected directly to processing machines or integrate seamlessly with existing filtration units. With its multi-stage filtration technology, it meets the demands of industrial environments, delivering reliable performance and improved air quality.

A·erity Carbon Single

Designed to remove harmful gas molecules, it eliminates odours and ensures clean air during operations.

Application	VOC
Nominal airflow	2000 m³/h
External pressure drop	500 Pa
Weight with dry filter cassettes	197 kg
Inlet duct diameter	Ø 315 mm
Dimensions	715 x 1340 - 1740 x 765 mm

A·erity Carbon Tandem

Designed to remove harmful gas molecules, it eliminates odours and ensures clean air during operations.

Application	VOC
Nominal airflow	4000 m³/h
External pressure drop	800 Pa
Weight with dry filter cassettes	374 kg
Inlet duct diameter	Ø 400 mm
Dimensions	715 x 1560 - 1955 x 1463 mm

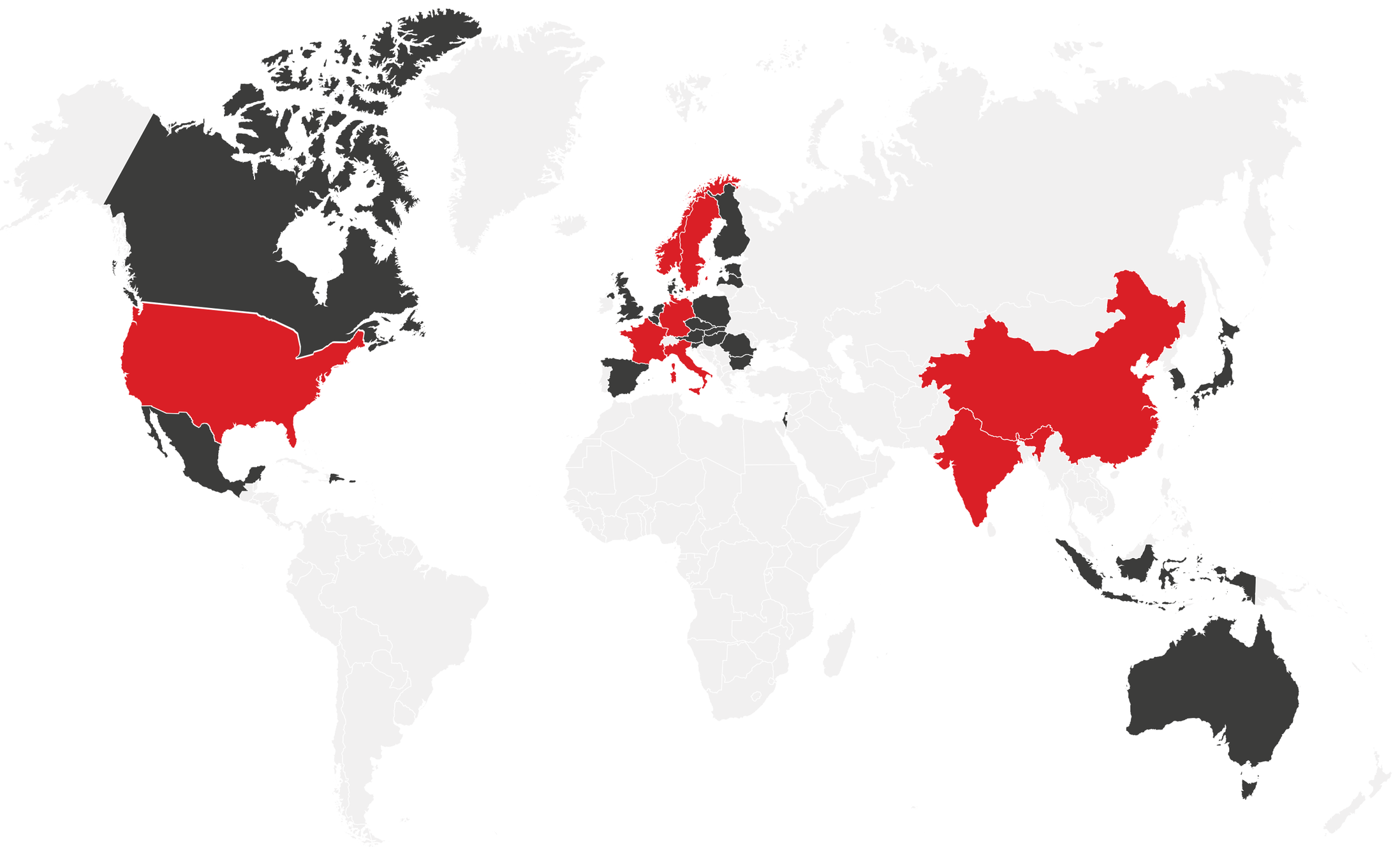
We are Absolent

Read more!

The Absolent World

Absolent operates worldwide through our own offices and a network of trusted partners, ensuring close support wherever our customers are located. Together, we deliver advanced filtration solutions providing clean air in demanding industrial environments.

Guided by our mission that no one gets harmed by the air they breathe at work, we combine global expertise with local presence to create safe, healthy workplaces across industries.



- Local Absolent Offices
- Absolent Trusted Partners

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