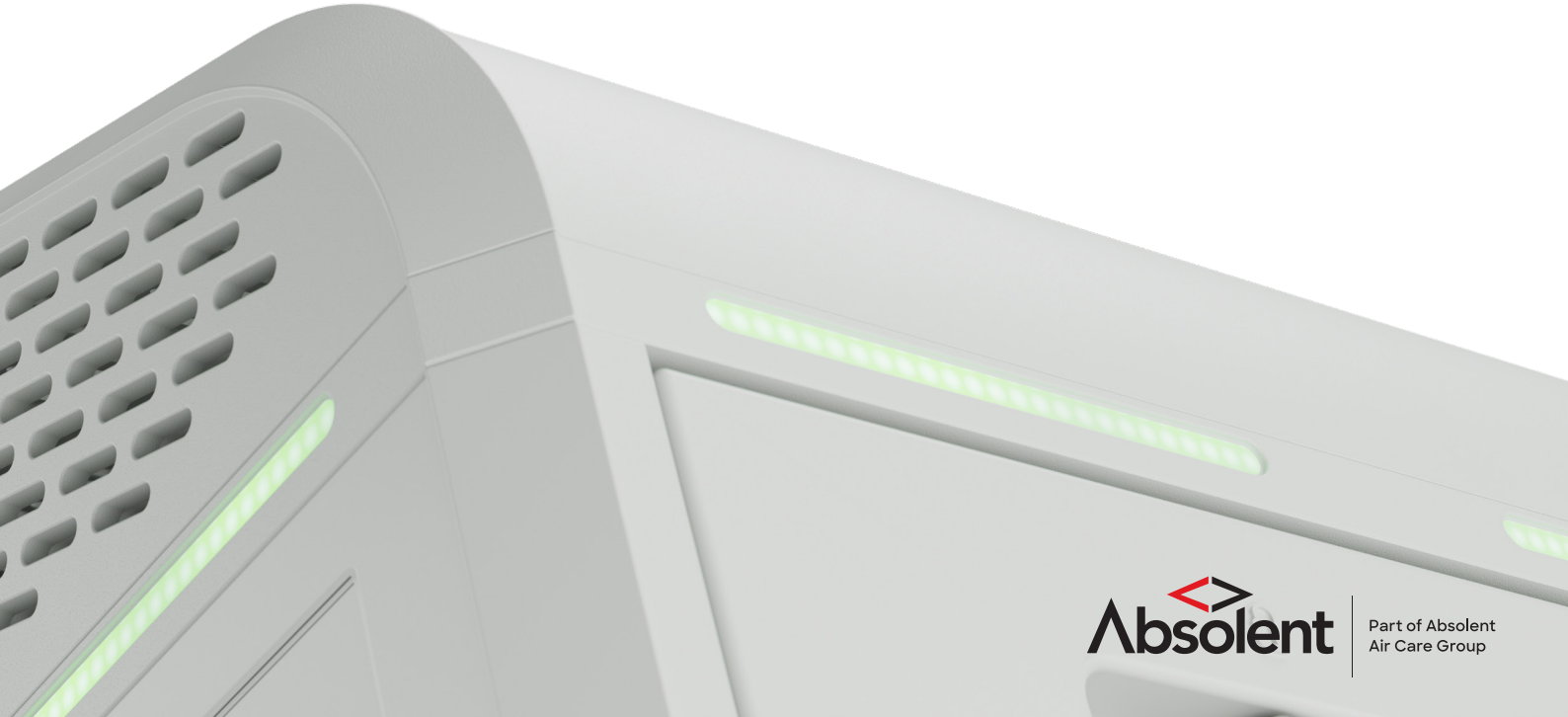
Effortless integration with Plug & Play Design from Absolent

Introducing the AW range



Absolent

Part of Absolent
Air Care Group

Add value to your offering with

Cleaner air, healthier workspaces and enhanced productivity for your customers



A true machine mounted oil mist filtration range from Absolent, designed for high precision and micro machining. Clean air, engineered for OEM integration.

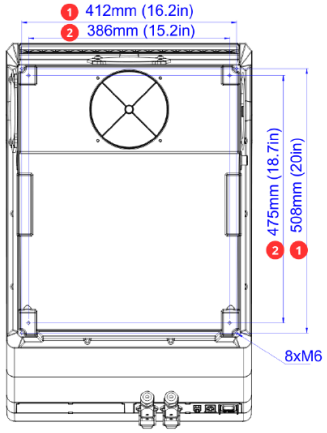
Absolent | Part of Absolent Air Care Group

Compact by design. Engineered for precision. Ready to integrate.

The Absolent AW is a true Plug & Play solution that can be mounted directly onto the machine without the need for reinforcement or a complex setup. Its low-vibration design ensures the filter operates silently in the background, protecting machining precision without compromising performance. For machine builders, this means an integrated clean air solution that feels like an integral part of the CNC itself, providing added value for customers while ensuring simple, hassle-free installation.

Options such as anti-vibration mounts, floor stands and HMI interfaces are available to adapt to different applications, alongside bespoke options for specific machine needs. The AW has also been developed in close collaboration with industrial designers to create a compact, modern look that complements the machine tool and reflects its engineering quality.

Take the next step & Scan the code to learn more.



1. Hole pattern for installations without rubber feet

2. Hole pattern for installations with rubber feet





Clean air performance you can build into your machines with confidence

Optimized footprint – The AW range delivers space-efficient performance and a lightweight design.

Fast integration – Pre-calibrated, plug-and-play design ensures reliable installation.

Precision support – Low-vibration fan safeguards accuracy in micro-machining.

HEPA H13 assurance – Removes 99.95% of particles, protecting both operators and production quality.

Smart efficiency – Intelligent airflow management lowers energy consumption.



Modular architecture with energy-efficient EC fan

The AW range is built on a modular architecture, making integration simple and flexible for different machine designs, while ensuring future scalability. An energy-efficient EC-fan optimizes airflow with minimal power consumption, reducing operating costs and supporting sustainable machine performance.



Pre-calibrated airflow to ensure fast setup

The unit is configured at the factory to deliver a predefined airflow. This airflow is automatically maintained by the control system adjusting fan speed in response to the total pressure drop across the filter cassettes. The user can select between five preset airflow levels to suit different process needs.

Patented Catch & Release®

The Patented Catch & Release® cassettes by Absolent capture and drain oil aerosols with high efficiency, extending service life and lowering pressure drop. This results in reliable, low-maintenance operation, enhancing both machine performance and customer value.

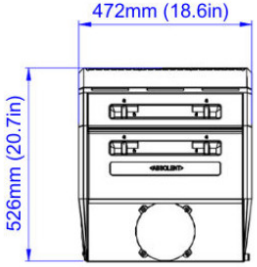


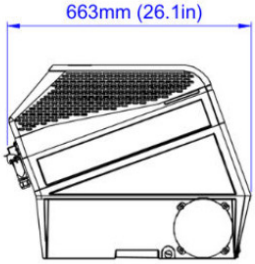
AW2-09

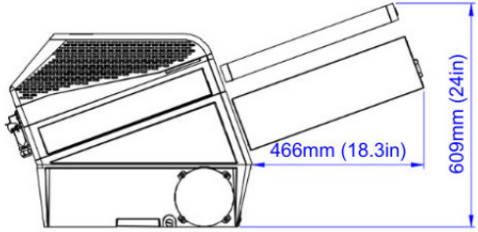


Application	Machining / Grinding
Nominal airflow	250m³ (147 cfm)
Particle load	15mg/m³
External pressure drop	100 Pa (0.40 inWC)
Energy class	IE5
Fan motor	EC, 170W
Voltage	1~ 200-240V
Number of filters	2*
Pre-filter	As option
Drainage	Left or Right
Inlet type	150mm (5.9 in)
Inlet placement	Right/left/front/bottom
Weight	24kg (52.9 lb)
Height	530mm (20.9 in)
Width	470mm (18.5 in)
Depth	665mm (26.4 in)

**First stage: Absolent original filter + Second stage: HEPA H13 filter*





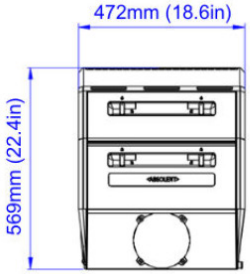


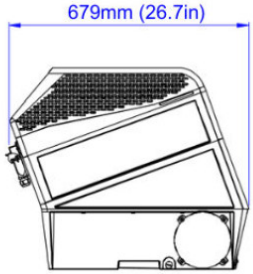
AW2-10

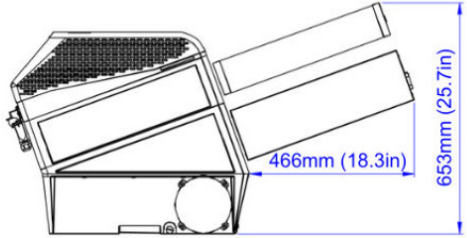


Application	Machining / Grinding
Nominal airflow	250m³ (147 cfm)
Particle load	30mg/m³
External pressure drop	100 Pa (0.40 inWC)
Energy class	IE5
Fan motor	EC, 170W
Voltage	1~ 200-240V
Number of filters	2*
Pre-filter	As option
Drainage	Left or Right
Inlet type	150mm (5.9 in)
Inlet placement	Right/left/front/bottom
Weight	26kg (57.3 lb)
Height	570mm (22.4 in)
Width	470mm (18.5 in)
Depth	675mm (26.6 in)

First stage: Absolent original filter + Second stage: HEPA H13 filter







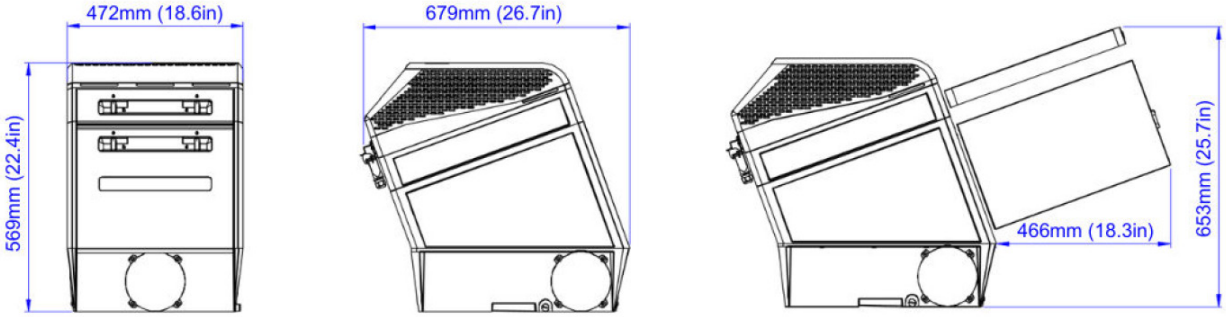
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AW5-12



Application	Machining / Grinding
Nominal airflow	500m³ (235 cfm)
Particle load	15mg/m³
External pressure drop	300 Pa (1.21 inWC)
Energy class	IE5
Fan motor	EC, 500W (0.67hp)
Voltage	1~ 200-264V
Number of filters	2*
Pre-filter	As option
Drainage	Left / Right
Inlet type	150mm (5.9 in)
Inlet placement	Right/left/front/bottom
Weight	26kg (52.9 lb)
Height	670mm (20.9 in)
Width	470mm (18.5 in)
Depth	710mm (26.4 in)

**First stage: Absolent original filter + Second stage: HEPA H13 filter*

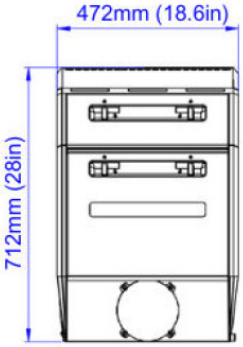


AW5-13

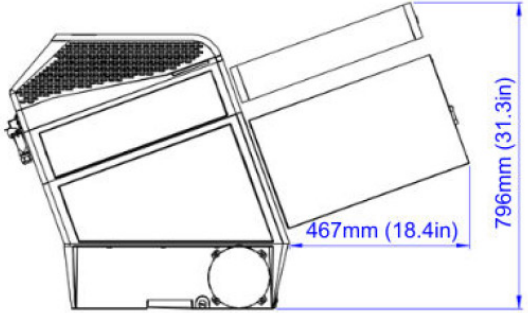


Application	Machining / Grinding
Nominal airflow	500m³ (235 cfm)
Particle load	30mg/m³
External pressure drop	300 Pa (1.21 inWC)
Energy class	IE5
Fan motor	EC, 500W (0.67hp)
Voltage	1~ 200-264V
Number of filters	2*
Pre-filter	As option
Drainage	Left / Right
Inlet type	150mm (5.9 in)
Inlet placement	Right/left/front/bottom
Weight	35kg (52.9 lb)
Height	710mm (20.9 in)
Width	470mm (18.5 in)
Depth	725mm (26.4 in)

**First stage: Absolent original filter + Second stage: HEPA H13 filter*







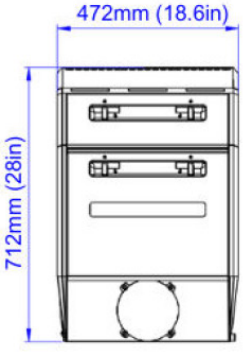
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AW8-13

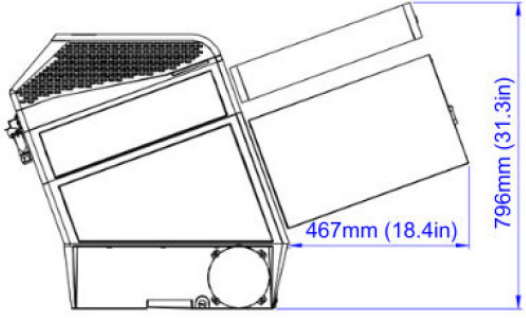


Application	Machining / Grinding
Nominal airflow	800m³ (470 cfm)
Particle load	20mg/m³
External pressure drop	200 Pa (0.40 inWC)
Energy class	IE5
Fan motor	EC, 500W (0.67hp)
Voltage	1~ 200-264V
Number of filters	2*
Pre-filter	As option
Drainage	Left / Right
Inlet type	150mm (5.9 in)
Inlet placement	Right/left/front/bottom
Weight	35kg (52.9 lb)
Height	710mm (20.9 in)
Width	470mm (18.5 in)
Depth	725mm (26.4 in)

First stage: Absolent original filter + Second stage: HEPA H13 filter









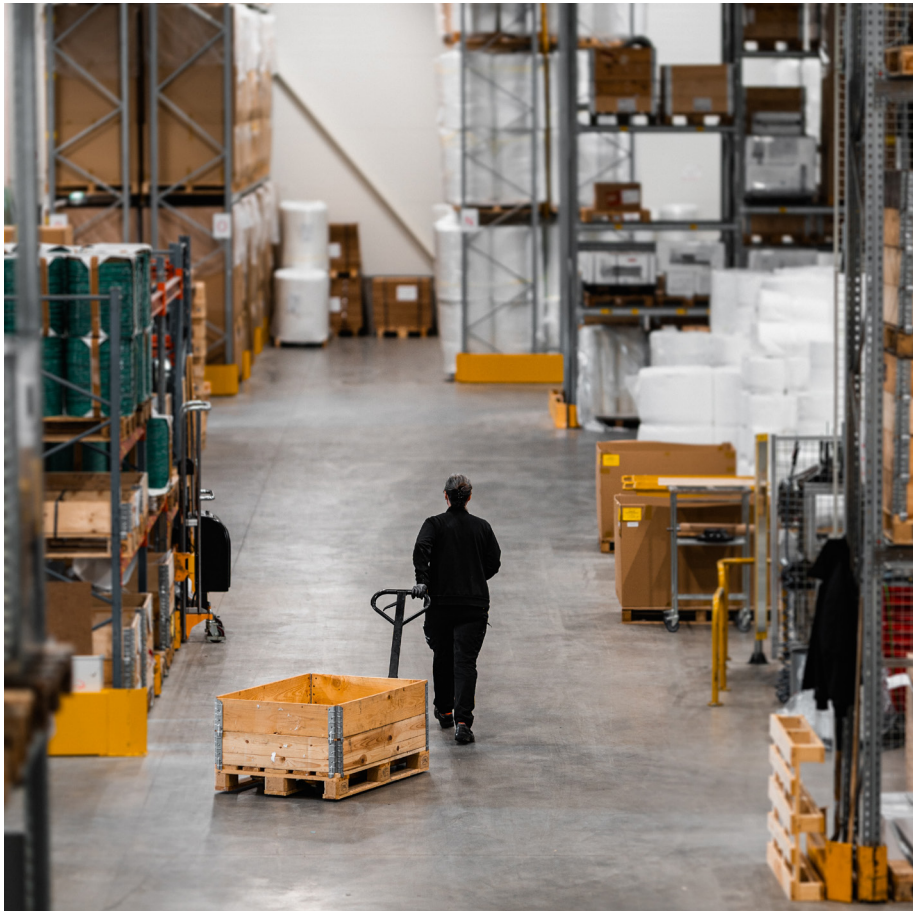
Service routines are simplified, lowering cost of ownership.

AW is designed for minimal servicing. Lightweight cassettes can be replaced quickly, and self-draining filters extend maintenance intervals. This results in fewer support issues and less downtime, providing your customers with a reliable, easy-to-maintain solution.

Absolent
Part of Absolent Air Care Group

Add value to your offering

- Constant clean air
- Protect workforce
- Energy efficient solution
- Local & Global support
- Improved productivity
- Long service intervals



Satisfied customers = Repeat customers

Supplying machine tools with effective mist extraction as part of the standard specification or as an option adds value to end users by solving the problem before it becomes an issue.



Cruise control instead of brakes

All AW units have EcoDrive EC fan systems that ensures the filter unit has a long, productive life and contributes to a healthier workforce. When the machine is opened, the fan motor adapts to keep the contaminated air inside rather than out, protecting the operator. EcoDrive ensures that the fan always runs at optimum speed, saving energy and ensuring a smooth, safe and highly energy-efficient air treatment process.

Default LED user interface

The AW comes with a built-in LED interface that displays the unit's status using coloured signals. Control and monitoring are handled via the customer electrical interface on the rear panel, which features quick connectors for both the power supply and signal exchange with external machines.

The power supply is single-phase, with options of either 200–240 V or 100–140 V for the AW2. Signal exchange includes remote start/stop, boost mode, and indications for running and filter status, all with push-in terminals for easy installation.

For safety and connectivity, the unit is fitted with a main switch incorporating a thermal and magnetic fuse, a Modbus TCP port for SCADA communication and an optional Absolent professional user interface for advanced monitoring and configuration.



IoT: A better environment for people, equipment & premises

The optional A·smart continuously monitors the status of Absolent filter units, providing a clear overview of performance and early warnings of any deviations. This makes it possible to cut maintenance costs, improve production quality, and reduce downtime.

With built-in data collection and reporting features, A·smart simplifies follow-up and documentation. You gain actionable insights that support smarter decisions, ensure compliance, and strengthen overall process reliability.

Combined with Absolent's proven filtration technology, A·smart is a powerful tool to secure long-term efficiency and sustainable operations.



Boost mode ensures extra power when needed the most

Activating an external signal temporarily increases the unit's airflow, enabling it to quickly remove particles and fumes. A common example of this is when the door of a CNC machine opens. The fan automatically increases in power for 30 seconds before returning to its normal operating level, ensuring clean air without any extra effort.



Visit us at www.absolent.com or call our switchboard to be connected with your nearest Absolent office
+46 510-484000

Take the next step & Scan the QR-code to learn more.

Take the next step towards cleaner, smarter machines. With Absolent AW, you can provide clean air as standard: it is compact, plug-and-play and built for precision. Contact us today to find out how AW can be tailored to your machines and provide your customers with lasting value.

There are filters.
And there is Absolent.

Learn more