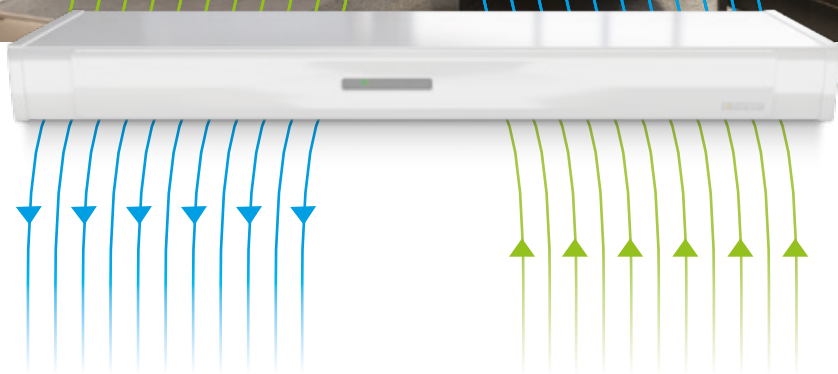


agostiniactionair

vmc · controlled mechanical ventilation



 agostini

 **agostini**action**air**

system of controlled mechanical
ventilation and air filtration.

Agostini Action Air

A change of air, to live better without wasting energy. Innovation takes the form of design to define a new form of living comfort.

Why does changing air do you good?

The ventilation of interiors is a guarantee of living comfort.

90% of the time, we live in closed interiors where the quality of the air gradually worsens: home, offices, schools, environments frequented by several people.

So we have an increasing need for fresh clean air!

If the interiors are not suitably ventilated, high levels of humidity, carbon dioxide (CO₂), smog, and other impurities will occur.

Along with dust, also mould and pollen remain in stagnant air.

We breathe 13 kg of air a day, at home also when we eat and drink:

the damage that can derive from our microclimate is real for our health and is unfortunately increasing.¹

So it is increasingly necessary to change the air in the environments we live, work and rest in to protect our health against these pollutants and improve our living comfort.

Moulds and condensates

Radon

Formaldehyde from furniture

Humidity

CO₂

Smoking

Compounds produced from detergents

¹ European guidelines of the World Health Organization 2009 on indoor air quality.



You live better in a room with fresh and clean air.

The benefits of proper ventilation

It is necessary to change the air in the rooms we live in, but it is not always best or useful to open the windows.

Agostini Action Air is the intelligent and automatic system that ensures a correct and guaranteed air exchange in residential and public buildings, both new and those undergoing renovation.

The Action Air system of controlled mechanical ventilation guarantees the supply of fresh, clean air to the rooms while keeping the windows closed.

The system is fully automatic, silent, and allows you to save energy with a heat exchanger by filtering the incoming air.



Feeling better without moulds

A home which is clean, free from moisture and mould is definitely more pleasant to live in for us and our families.



Better off without pollen

Just when we're tempted to open our windows to spring, we also expose ourselves to pollen, which is the main cause of allergies and respiratory issues.



Breathing better without particulate matter

The dusts of the outdoor environment, especially in towns cities, enters our homes without almost realising it. But our lungs and health are attacked with potentially sizeable damage to our health.



Healthier without sudden draughts

Air currents and draughts caused by opening windows and doors can be dangerous for our health, and are among the main causes of physical discomfort.



Saving energy (and money) by not losing heat

When it is too hot or cold at home, opening windows and doors causes a significant waste of energy to change the temperature.



Sleeping better without outside noise

Opening the windows means opening the doors to the annoying outside noises which prevent us from enjoying the tranquillity of our homes, or even from resting.



With no windows, no rain indoors

Even if only ajar, in the event of bad weather windows can be prone to opening wide and bringing rain indoors, causing not only cleaning issues but possible damage to our homes.



Safer with no windows open

The main access routes to our homes for intruders are windows, whether closed or open. It is better that they remain well-closed and protected.

The advantages of Agostini Action Air



Energy saving

Agostini Action Air is **equipped with a double cross-flow enthalpic heat exchanger** (no condensation generated), which gives an **82% heat recovery efficiency**, thus keeping the correct level of air humidity without making it too dry.

Power consumption is minimal.

In the automatic ventilation function, Action Air consumes only 2 watts per hour, and just 20 watts per hour (as low as a low-power light bulb) at peak times.



A quiet time of it

Agostini Action Air integrates seamlessly with all heating and air-conditioning systems in existing homes or designed for new buildings.

The system is **extremely quiet**; the exchange of large air volumes is ensured without the user perceiving it both in terms of sound and heat.

Agostini Action Air is a cinch to control, use and maintain.



Air quality

Agostini Action Air comes with a **triple filter, to eliminate 98% of particulate matter** of 2.5 µm and all PM of 10 µm, along with pollen, mites, spores and even bacteria larger than 0.4 µm. Agostini Action Air contributes to eliminating CO₂ as well as excess Relative Humidity in the environment, dilution of VOCs, elimination of Radon risk.

The filter system ensures fresh pollen- and smog-filtered air, ensuring that no mould build up in the environment.

The filters are easy to clean and replace by the user.





Why is Agostini Action Air better than traditional ventilation systems?

Air recirculation systems are essential to achieve high levels of building energy classification (A/A+/NZEB etc).

There are many traditional ventilation systems but the Agostini Action Air system has these advantages:



The Action Air system is economical; a contained initial investment and reduced management costs bring minimal energy consumption and maintenance costs.



The Action Air system is decentralized and fully integrated into the window. It can be mounted vertically in the shoulder of the window hole or horizontally, below or above the window. No specific technical works are therefore necessary and the system is assembled along with the window.



The Action Air system is ideal for renovation with caissons as it integrates inside them. Instead, all centralized systems not designed during building construction require invasive canalization works inside the rooms.



Being mounted in the window hole, the Action Air system has a minimum ducts length that facilitates their cleaning.

Centralized systems, on the other hand, have long ducts that can only be cleaned correctly by specialized personnel with significant works and maintenance costs.

Poor maintenance significantly affects the quality of the expelled air.



The Action Air system is equipped with filters that are easy to clean and replace.

No specialized maintenance staff is needed and it is very economical compared to centralized systems.

The filters in Action Air are superior to the commonly used centralized systems.



The Action Air system, which is autonomous on single windows, allows the temperature and humidity level for each room to be managed. Ventilation is easily controlled with a remote control but it also has a humidity sensor that automatically adapts the operation to your room's real needs.



Action Air can be installed on all types of Agostini Group window.

● Stale indoor air is expelled

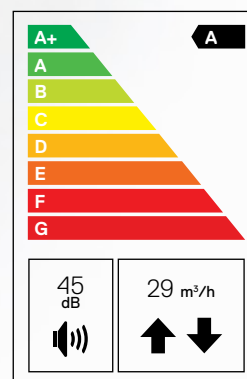
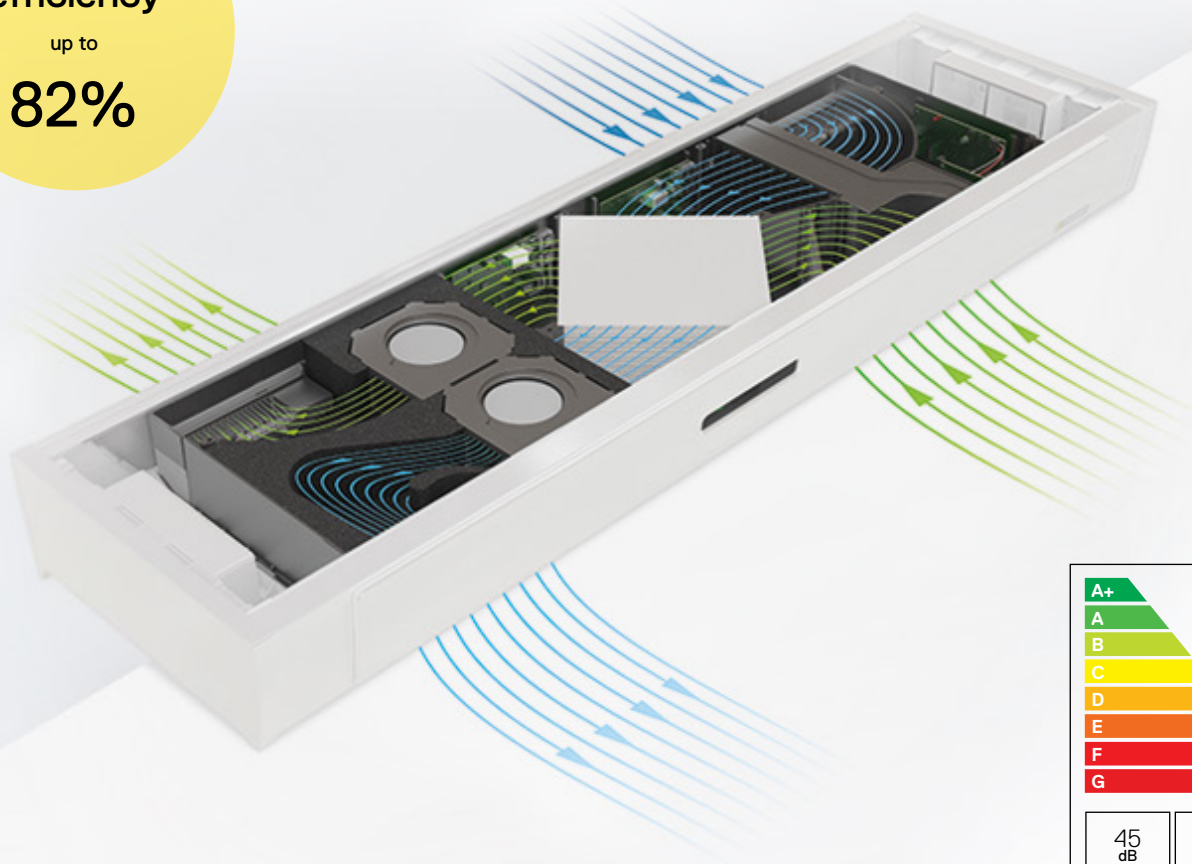
● Filtration system cleans the air

● New clean air is brought in

Thermal
efficiency

up to

82%



Speed	Flow-rate [m³/h]	Sound power level LwA [dB]	Sound pressure Lp (at 3m) [dB]	Heat efficiency %	Voltage absorption [W]
1	15	37	19	82	4,6
2	20	40	22	-	5,8
3	30	45	27	74	10,3
4	35	48	30	-	14,6
5	43	51	33	69	20,6
Heat recovered as % efficiency depending on T, HR and air flow-rate		up to 82%		Working temperature permitted	Min -20°C
Connecting to the mains		110-230V / 50-60 Hz		Transmission factor	U= 0,30 W/m²K
Safety class		II		Soundproofing	Dn,e,w= 53 dB with open leaf Dn,e,w= 55 dB with closed leaf
Protection class		IPx4		Fitted with air filters as standard	F8/F9+G4 external air inlet G4 Indoor air extraction

