



UPM/EC

MOBILE AIR PURIFYING UNITS

- PLUG & PLAY SYSTEM WITH AUTOMATIC CONTROL
- UVC GERMICIDAL CHAMBER
- 3 STAGES OF FILTRATION
- IDEAL FOR THE HOSPITALITY AND OTHER INDUSTRIES
- LOW-POWER, EC MOTOR TECHNOLOGY
- 25 MM THICK ACOUSTIC CASE



STAGES OF FILTRATION



UPM/EC

The UPM / EC air purifying units have been designed for mobility, purifying and cleaning air and eliminating odours, **in areas of high occupancy where low noise and versatility are important.**



ENERGY SAVING

The air inlet aperture has been designed to aid laminar air flow which, together with a dynamic pressure balancing chamber, helps to optimise efficiency.

The EC motor's high-performance technology is a key element in reducing electrical consumption.



LOW SOUND LEVEL

The 25mm thick noise reducing outer panels use bespoke, high quality insulating materials and make this ideal equipment for installation in areas where a low noise level is required.



DURABILITY

This unit is assembled with pre-lacquered metal sheet panels and 40 mm anodized aluminium structural profiles, extending fan lifetime.



EASE OF INSTALLATION AND MAINTENANCE

The access door allows quick access to clean the impeller and replace filters.

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CONFIGURABLE FILTRATION STAGES

In addition to the odour eliminating activated carbon filter, the equipment has an intake pre-filter and one discharge filter, with a range of configurations, all giving the equipment an excellent filtration performance.

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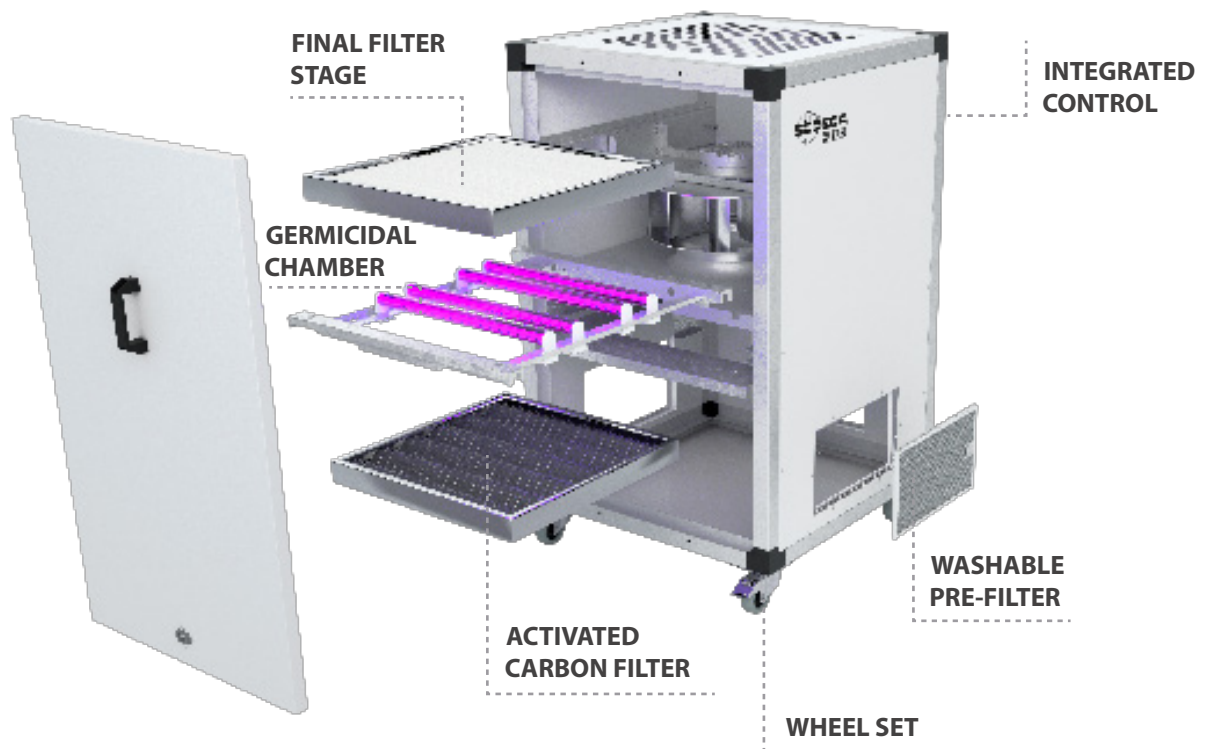
INTEGRATED CONTROL SYSTEM

- ON / OFF fan
- Adjustable flow 0% - 100%
- ON/OFF germicidal chamber
- Time control
- Filter replacement indicator
- Automatic operation

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WASHABLE PRE-FILTER

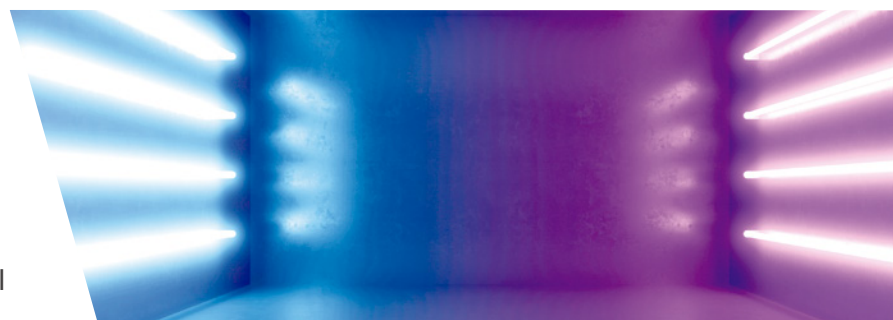
The first pre-filter catches small, lint type particles, together with larger particles and is dishwasher safe.



CG

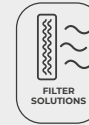
GERMICIDAL CHAMBER

Depending on model, these purification units can be supplied with an integrated germicidal chamber, using UV ultraviolet lamps "C" range.



UPM/EC

Mobile air purifying units, designed for cleaning, odor removal and indoor air purification in any type of premises



Characteristics:

- 40 mm aluminium profile structure.
- Wheel kit.
- Plug & Play system with integrated control.
- Adjustable filter change alarm.
- Covers with a high quality, 25 mm thick acoustic casing made of prefinished sheet.
- Backward curved impeller.
- Dishwasher safe pre-filter.
- Filtration stages, depending on model:
 - F9.
 - HEPA H14.
 - Active carbon filter for odour removal.
- Inspection cover for filter maintenance and replacement.
- Germicidal chamber with UVC ultraviolet lamps (256 nm), depending on model.

Motor:

- High efficiency external rotor EC Technology motors, adjustable via 0-10 V signal.
- Single phase 200-240 V 50/60 Hz.
- Maximum temperature of air to be carried: -25 °C +60 °C.

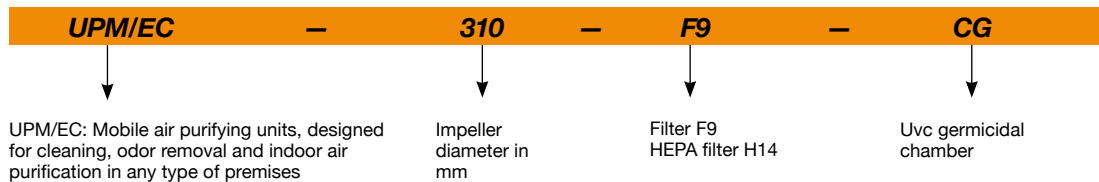
Finish:

- Structure of anodised aluminium profiles and pre-lacquered sheet metal with 25 mm thermal and acoustic insulation panels.

On request:

- Particle sensor for automatic control.
- Different stages of filtration.

Order code



Filter characteristics

Filters	EN 779 Em	EN 1822	ISO 16890			
			ISO ePM ₁	ISO ePM _{2,5}	ISO ePM ₁₀	ISO COARSE
F9	95%	-	>80%	>95%	>95%	-
HEPA H14	-	>99.995%	-	-	-	-

Technical characteristics

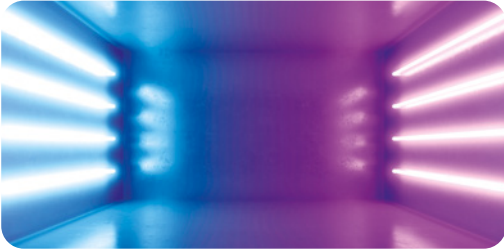
Model	Recommended effective working area ¹ (m ²)		Speed (r/min)	Maximum power (W)	Power supply	Sound pressure level at 50% of max speed. ² dB (A)	Maximum flow rate (m ³ /h)		Approx. weight (Kg)
	Filters (F9)	Filters (H14)					Filters (F9)	Filters (H14)	
UPM/EC-310	65	55	1920	175	200-240V 50/60Hz 1Ph	47	550	450	55
UPM/EC-310/H	115	90	2377	450	200-240V 50/60Hz 1Ph	55	950	750	57
UPM/EC-400	190	155	1550	460	200-240V 50/60Hz 1Ph	47	1600	1300	69

¹Recommended effective working area with a 3-meter-high premises.

² Irradiated sound pressure level in dB(A) at a distance of 3 m.

Technical characteristics of the UVC germicidal chamber

According to the model, these purification units can integrate a germicidal chamber, built with UVC ultraviolet lamps in a 256 nm spectrum, a wave width indicated to inactivate a wide variety of microorganisms by absorbing short wavelength energy through DNA and RNA.



Model	Number of lamps	Total electrical power (W)	Total Uvc radiation power (W)	Radiation dose (mJ/cm ²) *
UPM/EC-310	6	54	16.8	6.7
UPM/EC-310/H	6	54	16.8	4.5
UPM/EC-400	4	102	28	5.4

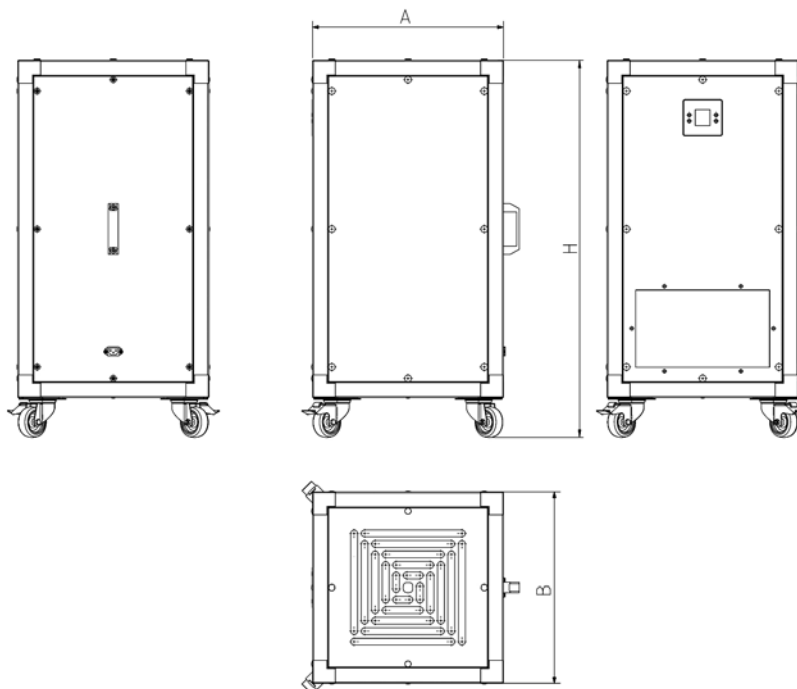
*Minimum dose calculated based on flow with filters: H14.



Erp. (Energy Related Products)

Information on Directive 2009/125/EC can be downloaded from the SODECA website or the QuickFan selector programme.

Dimensions mm



	A	B	H
UPM/EC-310	500	500	985
UPM/EC-400	701	701	1186



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