CERTIFIED TECHNOLOGY
100% EFFECTIVE
ACCORDING TO
EN 14476 STANDARD

UPH/EC

MOBILE AIR PURIFICATION UNITS

- PLUG & PLAY SYSTEM WITH AUTOMATIC CONTROL
- UVC GERMICIDAL CHAMBER
- 2 STAGES OF FILTRATION
- IDEAL FOR ANY BUSINESS
- LOW ENERGY MOTOR WITH EC TECHNOLOGY
- 25 MM THICK ACOUSTIC CASING

SODECA

CG
WE BET ON UVc TECHNOLOGY TO BEAT THE VIRUS

EC TECHNOLOGY

CE ACCORDING ErP

FILTRATION STAGES

FCA + F9

FCA + HEPA H14

UPH/EC

UPH/EC air purification units are designed for cleaning and purifying air and eliminating odours **in high occupancy areas where low noise and versatility are important.**

ENERGY SAVING

The guide vanes at the air intake prevent air turbulence, which together with a dynamic pressure balance chamber, optimise the unit's efficiency.

The High Performance EC Technology electrical motor, is a key factor for reducing electrical consumption. It is also easily regulated with any 0-10 V device.

LOW NOISE LEVEL

The 25mm thick acoustic casing reduces noise through the use of high-quality insulating materials designed for these applications, making it the perfect fan to use in areas that require low noise levels.

DURABILITY

This product is designed with pre-lacquered panels and anodized aluminium profiles, extending product lifetime and making it suitable for high corrosion application areas.

EASY TO INSTALL AND MAINTAIN

The inspection cover is used for quick access for cleaning the impeller and replacing the filters.

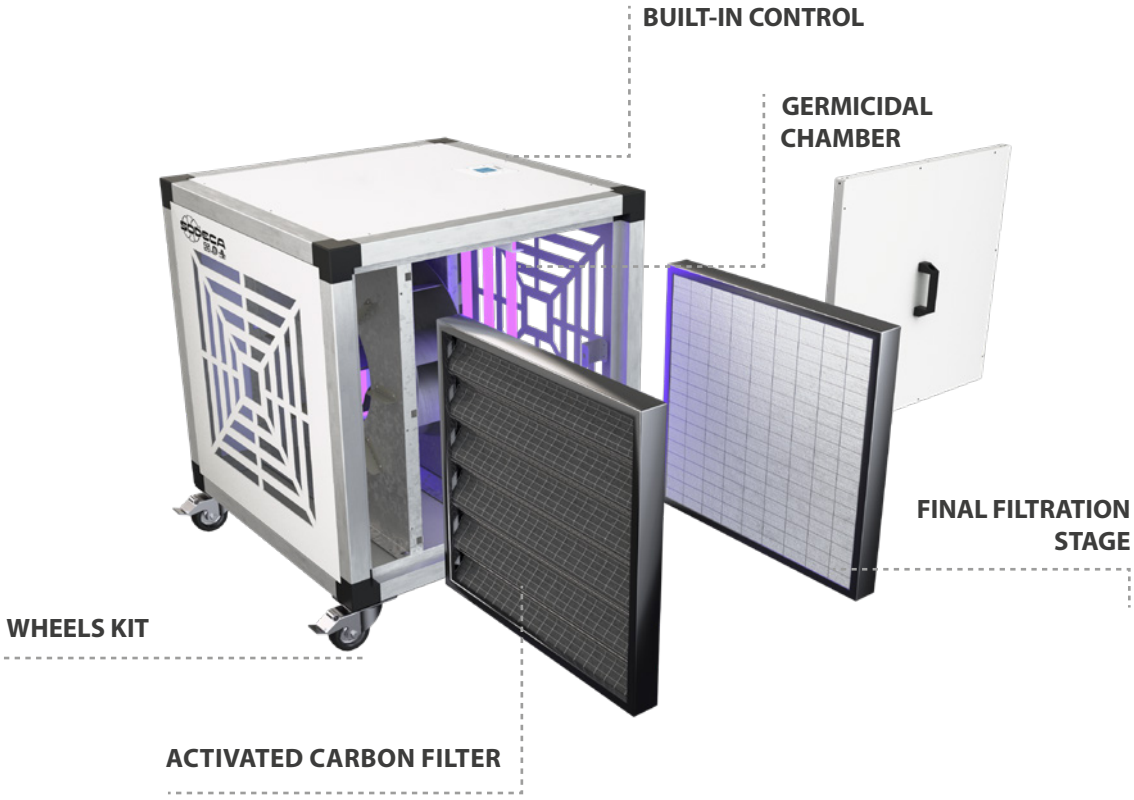
F

FILTRATION STAGES

Includes F9 or HEPA H14 filter stages depending on the model and an Active CA Filter for odour elimination, providing an excellent filtration performance.

BUILT-IN CONTROL SYSTEM

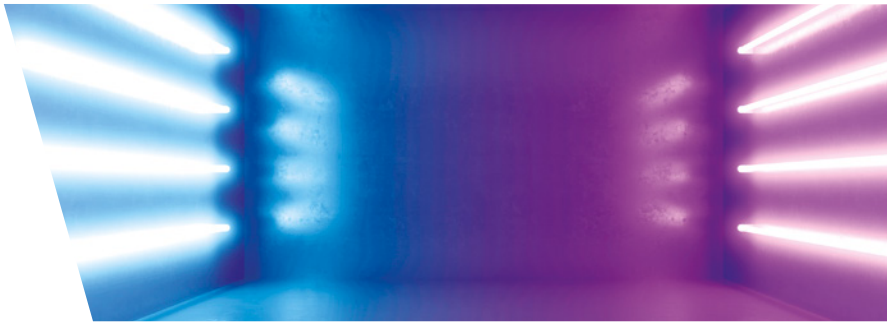
· Fan ON/OFF
· Adjustable flow 0%-100%
· Germicidal chamber ON/OFF
· Time control
. Filter replacement indicator
· Automatic operation



CG

GERMICIDAL CHAMBER

Depending on the model, these purification units can incorporate a germicidal chamber that utilises UVc ultraviolet lamps.



UPH/EC

Mobile air purifying units

Mobile air purification units with EC Technology motors and a 25 mm thick acoustically insulated casing to reduce noise.

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

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 ºC +60 ºC.

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

UPH/EC	—	310	—	F9	—	CG
UPH/EC: Mobile air purifying units		Impeller diameter in mm		Filter F9 HEPA filter H14		Uvc germicidal chamber

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

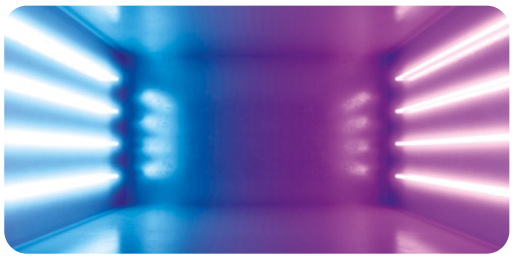
Model	Recommended effective working area[1] (m^2)		Speed	Maximum power	Power supply	Sound pressure level at 50% of max speed.[2]	Maximum flow rate (m^3/h)		Approx. weight
	Filters (F9)	Filters (H14)	(r/min)	(W)		dB (A)	Filters (F9)	Filters (H14)	(Kg)
UPH/EC-220	50	-	3265	176	200-240V 50/60Hz 1Ph	48	420	-	32
UPH/EC-250	60	-	2850	180	200-240V 50/60Hz 1Ph	49	500	-	33
UPH/EC-310	65	55	1920	175	200-240V 50/60Hz 1Ph	47	550	450	34
UPH/EC-400	190	155	1550	460	200-240V 50/60Hz 1Ph	47	1600	1300	68

[1]Recommended 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.



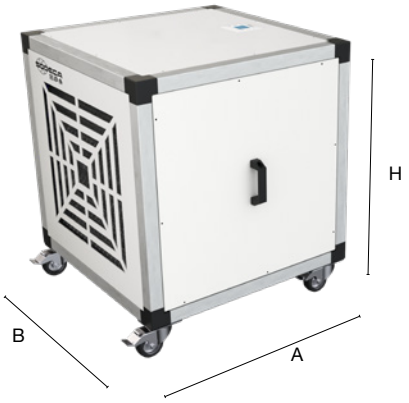
Model	Number of lamps	Total electrical power (W)	Total Uvc radiation power (W)	Radiation dose (mJ/cm²) *
UPH/EC-220	6	54	16.8	7.2
UPH/EC-250	6	54	16.8	6.0
UPH/EC-310	6	54	16.8	6.7
UPH/EC-400	4	102	28	5.4

Minimum dose calculated based on the maximum flow rate.

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
UPH/EC-220	500	542	642
UPH/EC-250	500	542	642
UPH/EC-310	500	542	642
UPH/EC-400	700	742	842

Data subject to change without prior notice.

03/2022

SODECA

HEADQUARTER

Sodeca, S.L.U.
Pol. Ind. La Barricona
Carrer del Metall, 2
E-17500 Ripoll
Girona, SPAIN
Tel. +34 93 852 91 11
Fax: +34 93 852 90 42
General sales: comercial@sodeca.com
Export sales: ventilation@sodeca.com

PRODUCTION PLANT

Sodeca, S.L.U.
Ctra. de Berga, km 0,7
E-08580 Sant Quirze de Besora
Barcelona, SPAIN
Tel. +34 93 852 91 11
Fax: +34 93 852 90 42
General sales: comercial@sodeca.com
Export sales: ventilation@sodeca.com

SODECA Group

EUROPE

FINLAND
Sodeca Finland, Oy

HUITTINEN
Sales and Warehouse
Mr. Kai Yli-Sipilä
Metsälinnankatu 26
FI-32700 Huittinen
Tel. + 358 400 320 125
orders.finland@sodeca.com

HELSINKI
Smoke Control Solutions
Mr. Antti Kontkanen
Vilppulantie 9C
FI-00700 Helsinki
Tel. +358 400 237 434
akontkanen@sodeca.com

HYVINKÄÄ
Industrial Applications
Mr. Jaakko Tomperi
Niinistönkatu 12
FI-05800 Hyvinkää
Tel. +358 451 651 333
jtomperi@sodeca.com

ITALIA
Marelli Ventilazione, S.R.L.
Viale del Lavoro, 28
37036 San Martino B.A.
(VR), ITALY
Tel. +39 045 87 80 140
vendite@sodeca.com

PORTUGAL
Sodeca Portugal, Unip. Lda.

PORTO
Rua Veloso Salgado
1120/1138
4450-801 Leça de Palmeira
Tel. +351 229 991 100
geral@sodeca.pt

LISBOA
Pq. Emp. da Granja Pav. 29
2625-607 Vialonga
Tel. +351 219 748 491
geral@sodeca.pt

ALGARVE
Rua da Alegria, 33
8200-569 Ferreiras
Tel. +351 289 092 586
geral@sodeca.pt

UNITED KINGDOM
Sodeca Fans UK, Ltd.
Mr. Mark Newcombe
Tamworth Enterprise Centre
Philip Dix House, Corporation
Street, Tamworth, B79 7DN
UNITED KINGDOM
Tel. +44 (0) 1827 216 109
sales@sodeca.co.uk

AMERICA

CHILE
Sodeca Ventiladores, SpA.
Sra. Sofía Ormazábal
Santa Bernardita 12.005
(Esquina con Puerta Sur)
Bodegas 24 a 26,
San Bernado, Santiago,
CHILE
Tel. +56 22 840 5582
ventas.chile@sodeca.com

COLOMBIA
Sodeca Latam, S.A.S.
Sra. Luisa Stella Prieto
Calle7 No. 13 A-44
Manzana 4 Lote1, Montana
Mosquera, Cundinamarca
Bogotá, COLOMBIA
Tel. +57 1 756 4213
ventascolombia@sodeca.co

PERU
Sodeca Perú, S.A.C.
Sr. Jose Luis Jiménez
C/ Mariscal Jose Luis de
Orbegoso 331. Urb. El pino.
15022, San Luis. Lima, PERÚ
Tel. +51 1 326 24 24
Cel. +51 994671594
comercial@sodeca.pe

RUSSIA

RUSSIA
Sodeca, L.L.C.
Mr. Stanislav Alifanov
Severnoye Shosse, 10 room 201
Business Park Plaza Ramstars
140105 Ramenskoye,
Moscow region, RUSSIA
Tel. +7 495 955 90 50
alifanov@sodeca.com

ISO 9001 BUREAU VERITAS Certification

www.sodeca.com