

UVc GERMICIDAL
ULTRAVIOLET
CHAMBER

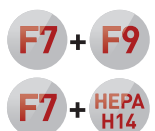
CG/FILTER-UVc

AIR PURIFYING UNITS
WITHOUT FAN

- PURIFIES INDOOR AIR
- DIFFERENT STAGES OF FILTERING
- UVC GERMICIDAL CHAMBER
- FOR EXISTING AIR CONDITIONING AND VENTILATION INSTALLATIONS
- 25 MM ACOUSTIC CASING

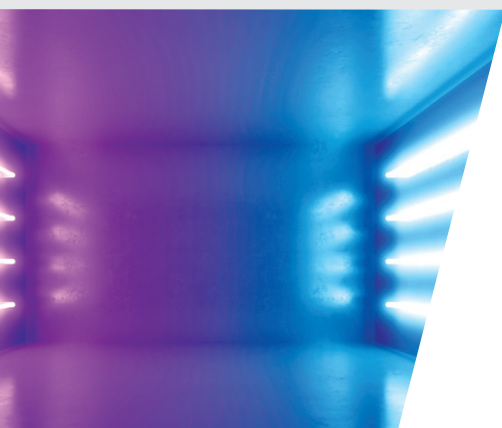


ETAPAS DE
FILTRACIÓN



CG/FILTER/UVc

The CG / FILTER-UVc air purifying units without fan have been designed to be used in existing air conditioning and ventilation installations, to clean and purify air, **in high occupancy areas with high demands for soundproofing and versatility.**



CG

GERMICIDAL CHAMBER

Depending on the model, these purification units can integrate a germicidal chamber, built on the basis of UVc ultraviolet lamps.

F

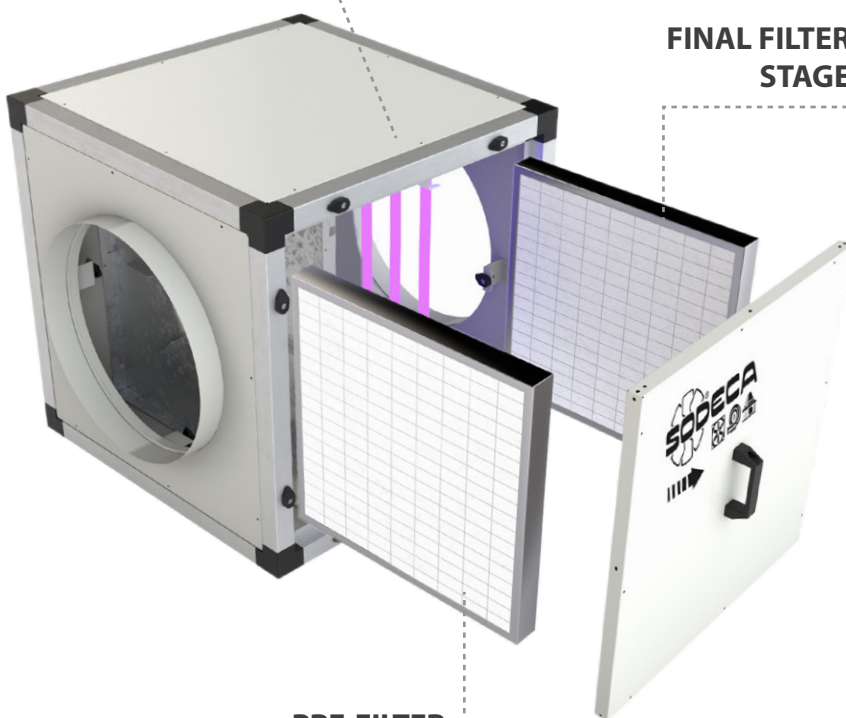
FILTRATION STAGES

They incorporate two stages of F7 + F9 or F7 + HEPA H14 filtering depending on the model, as well as an activated carbon filter for the elimination of odours, providing a combination with excellent filtration performance.

GERMICIDAL
CHAMBER

FINAL FILTER
STAGE

PRE-FILTER





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

The outer panels of these units are made of pre-finished sheet metal with aluminium structural frames to maximise the life of the equipment, allowing it to be installed in outdoors corrosive areas. The installation of a rain cover is recommended to prevent entry of water.

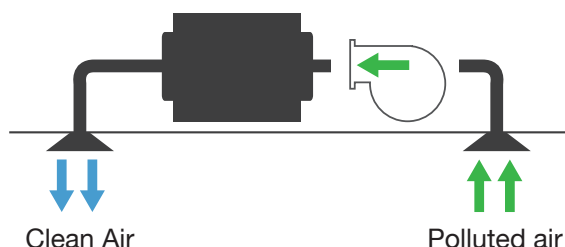


EASE OF INSTALLATION AND MAINTENANCE

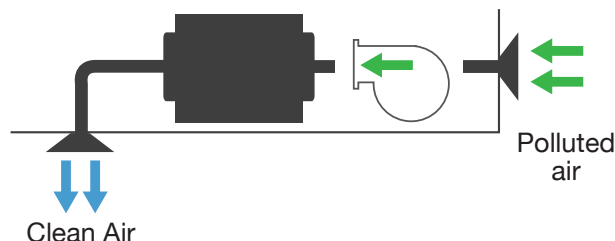
The access door allows quick access to clean the impeller and replace filters.

EXAMPLE OF APPLICATION

Indoor air purification

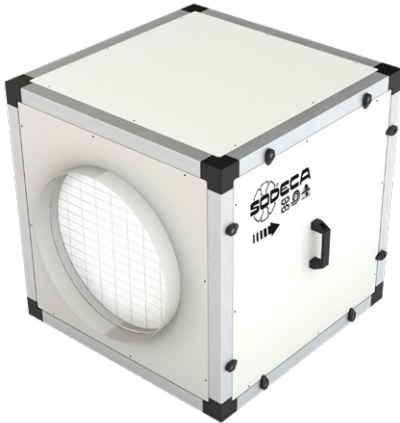


Capturing and purifying outdoor air



CG/FILTER-UVc

Air purifying units for circular ducts, with 25mm acoustic panels for noise reduction, without fan.



Characteristics:

- Frame made from 40mm profile aluminium.
- Outer panels made of 25 mm thick, high quality acoustic insulation, and pre-finished sheet metal.
- Standard flanges on intake and discharge sides to facilitate installation in ducts.
- Filtration stages according to model:
 - F7 + F9
 - F7 + HEPA H14
 - Activated carbon filter odour removal
- Germicidal chamber with UVc light (256 nm), depending on model.

- Inspection cover for maintenance and replacement of filters.

Finish:

- Aluminum profile frame and pre-finished sheet metal with 25mm thick acoustically insulated panels.

On demand:

- Automatic control system.

Order code

CG/FILTER/UVc — 315 — F7+F9 — CG

Purifying units
without fan

Flange
diameter
in mm

Filters (F7+F9)
Filters (F7+H14)

Germicidal
UVc chamber

Technical characteristics

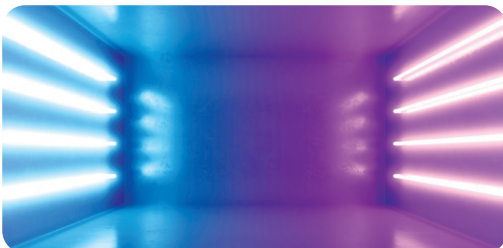
Model	Maximum flow (m³/h)		Weight (kg)
	Filters (F7+F9)	Filters (F7+H14)	
CG/FILTER/UVc-315	1225	550	30
CG/FILTER/UVc-355	1450	510	30
CG/FILTER/UVc-450	2200	1300	62
CG/FILTER/UVc-500	2990	3250	105

Filters characteristics

Filters	EN 779 Em	EN 1822	ISO 16890			
			ISO ePM ₁	ISO ePM _{2,5}	ISO ePM ₁₀	ISO COARCE
G4	90%	-	-	-	-	>90%
F7	90%	-	>50%	>65-95%	>85%	-
F9	95%	-	>80%	>95%	>95%	-
HEPA H14	-	>99,995%	-	-	-	-

Technical characteristics of the UVc germicidal chamber

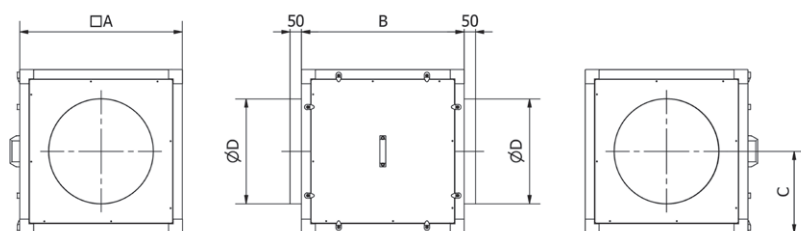
Depending on model, these purification units can integrate a germicidal chamber, built on the basis of UVc ultraviolet lamps in a 256 nm spectrum, a wave amplitude indicated to inactivate a wide variety of microorganisms by absorbing short wavelength energy through DNA and RNA. For specific types of viruses or bacteria that are affected by the radiation dose from the germicidal chamber, consult the specific document.



Model	Number of lamps	Total electric power (W)	Total UVc radiation power (W)	Radiation dose* (mJ / cm²)
CG/FILTER/UVc-315	6	66	16,8	6,0
CG/FILTER/UVc-355	6	66	16,8	5,9
CG/FILTER/UVc-450	4	100	28	5,6
CG/FILTER/UVc-500	6	150	42	4,5

*Minimum dose calculated based on flow with F7HEPA H14 filters.

Dimensions mm



Model	A	B	C	ØD
CG/FILTER/UVc-315	500	500	250	315
CG/FILTER/UVc-355	500	500	250	355
CG/FILTER/UVc-450	700	700	350	450
CG/FILTER/UVc-500	900	900	450	500

Accesorios

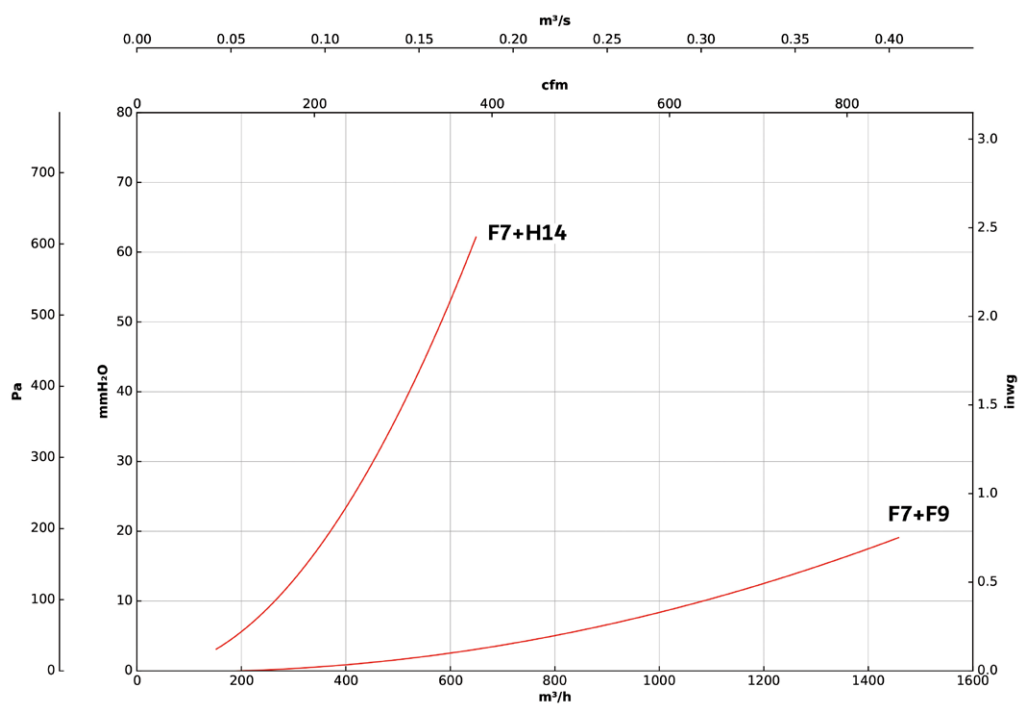


Characteristic curves

Q= Flow in m³/h, m³/s and cfm.

Pe= Static pressure in mmH₂O, Pa and inwg.

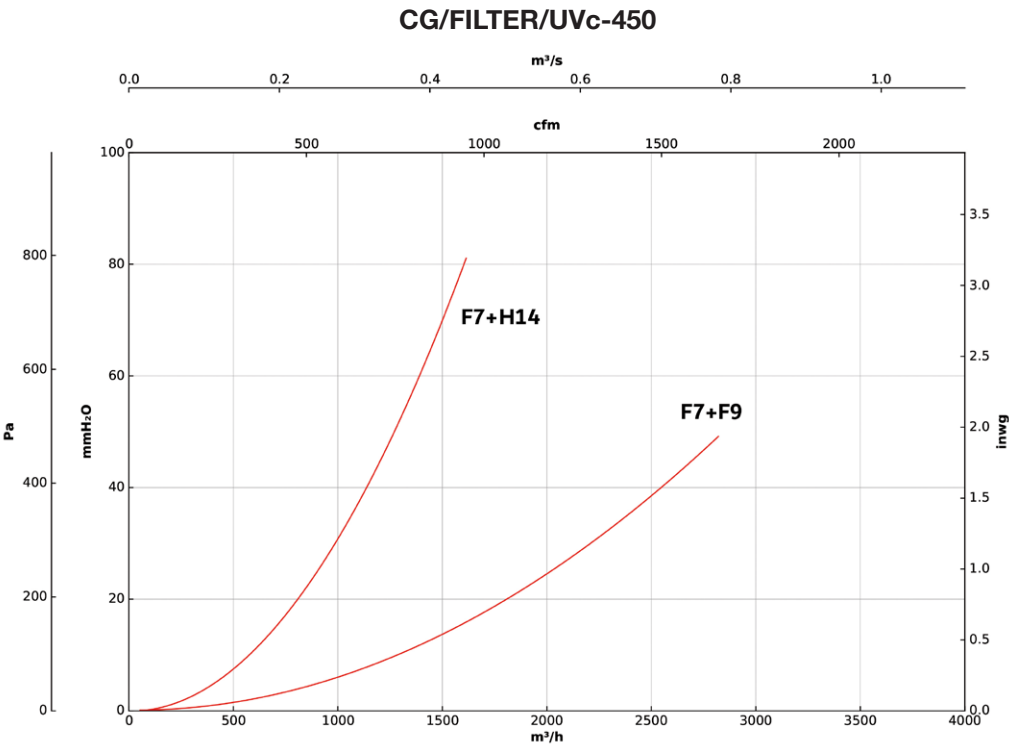
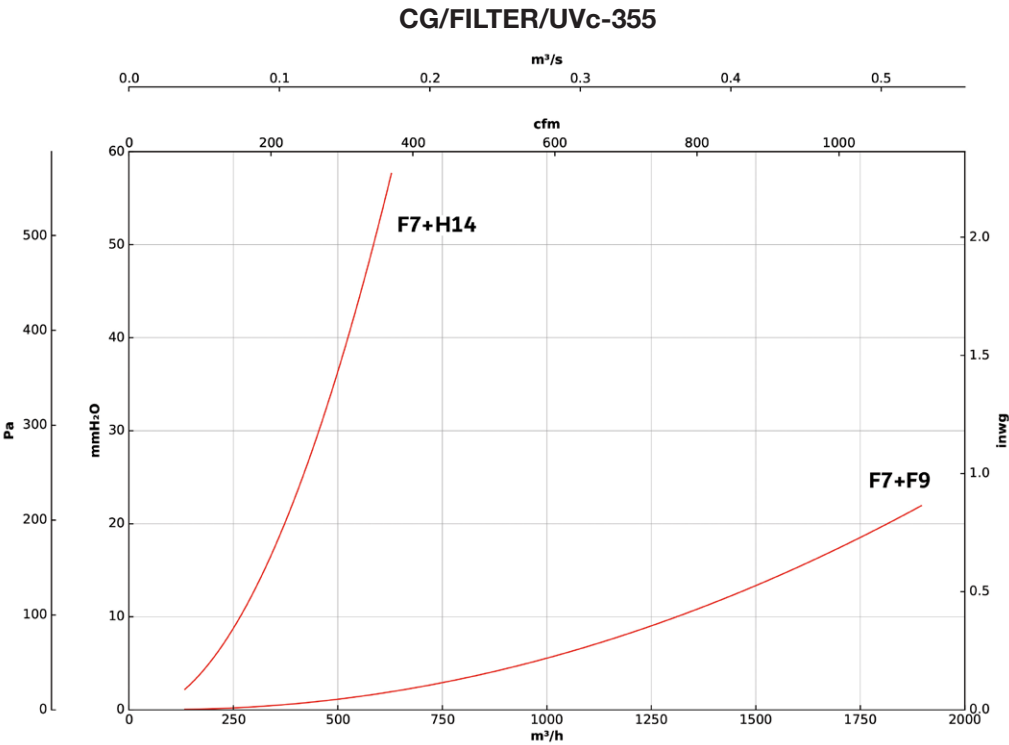
CG/FILTER/UVc-315



Characteristic curves

Q= Flow in m³/h, m³/s and cfm.

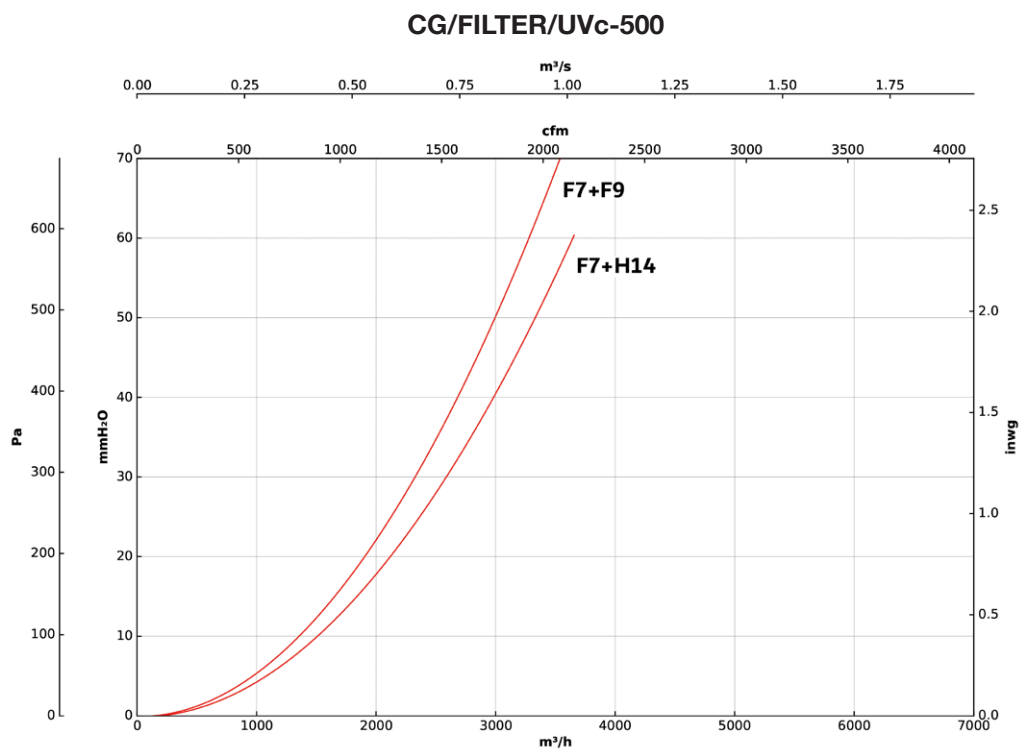
Pe= Static pressure in mmH₂O, Pa and inwg.



Characteristic curves

Q= Flow in m³/h, m³/s and cfm.

Pe= Static pressure in mmH₂O, Pa and inwg.



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