



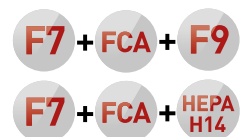
CG/FILTER-UVc

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

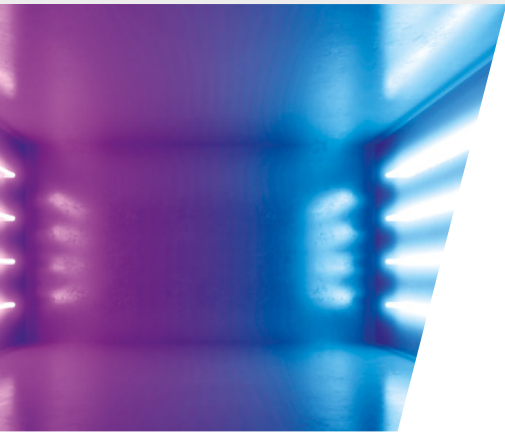


FILTRATION
STAGE



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.**



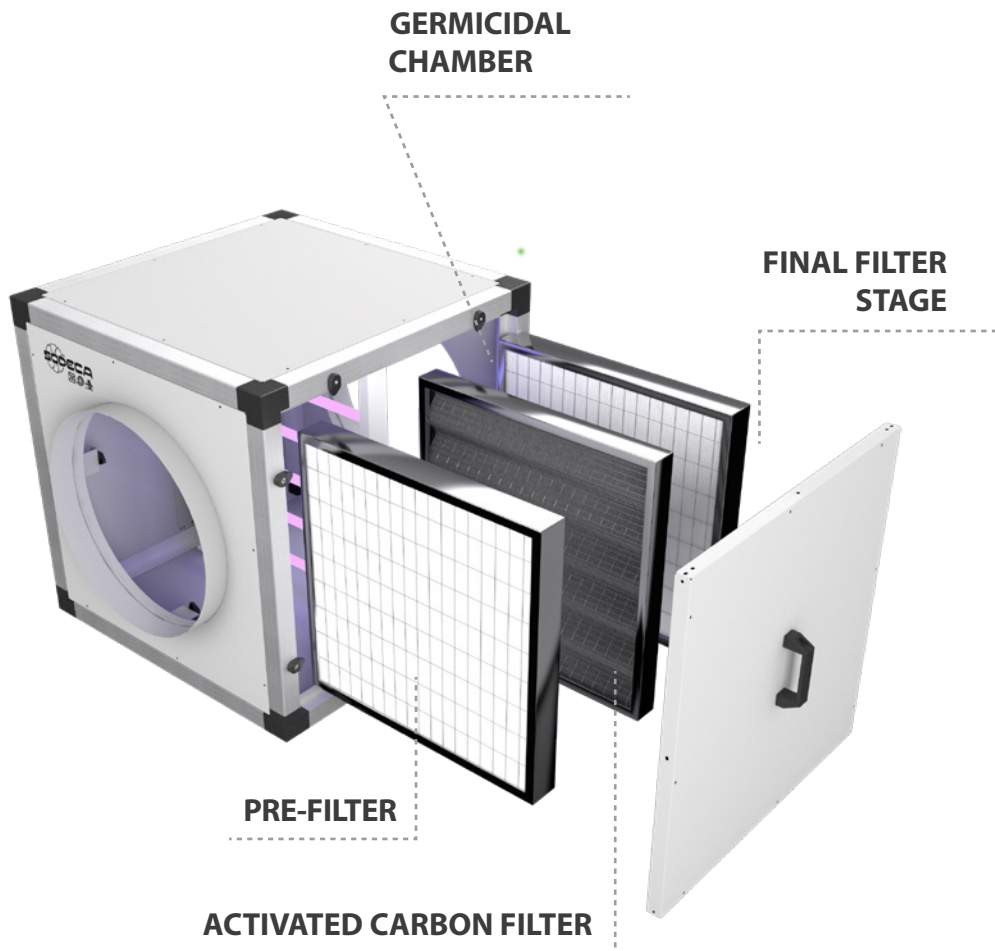
GERMICIDAL CHAMBER

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



FILTRATION STAGES

Includes F7 + F9 or F7+ HEPA H14 filter stages depending on the model and an Active CA Filter for odour elimination, providing an excellent filtration performance.





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.

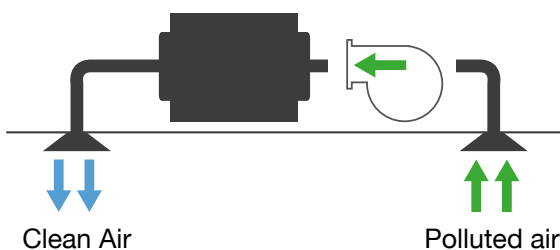


EASE OF INSTALLATION AND MAINTENANCE

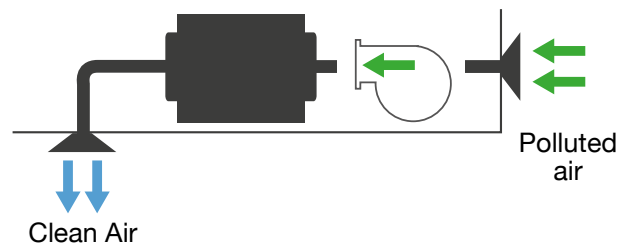
The access door allows quick access to clean the impeller and replace filters.

EXAMPLE OF APPLICATION

Indoor air purification



Capturing and purifying outdoor air



CG/FILTER-UVc



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



Characteristics:

- 40 mm aluminium profile structure.
- Covers with a high quality, 25 mm thick acoustic casing made of prefinished sheet.
- Standardised inlet and outlet flanges allowing for easy installation in ducts.
- Filtration stages, depending on model:
 - F7 + F9.
 - F7 + HEPA H14.
- Active carbon filter for odour removal.
- Germicidal chamber with UVc ultraviolet lamps (256 nm), depending on model.
- Inspection cover for filter maintenance and replacement.

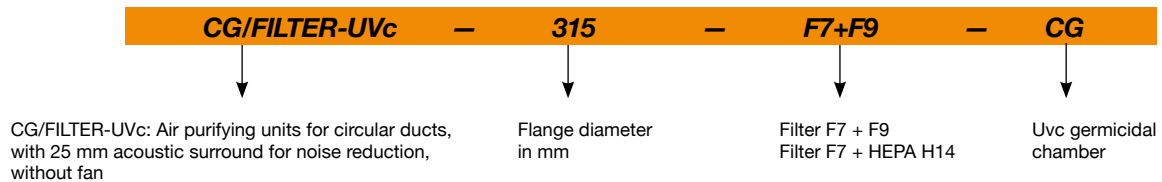
Finish:

- Aluminium profile and prefinished sheet steel structure with 25 mm thick thermal and acoustic insulation panels.

On request:

- Dirty filter monitoring and alarm.

Order code



Technical characteristics

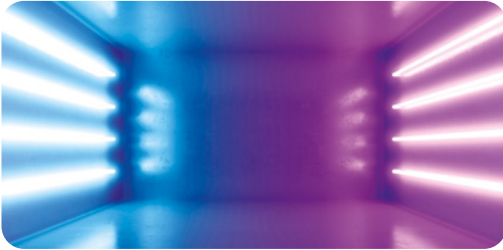
Model	Maximum flow rate (m ³ /h)		Approx. weight (Kg)
	Filters (F7+F9)	Filters (F7+H14)	
CG/FILTER/UVc-315	470	415	30
CG/FILTER/UVc-355	700	550	30
CG/FILTER/UVc-450	1800	1400	62
CG/FILTER/UVc-500	2350	2050	105

Filter characteristics

Filters	EN 779 <i>Em</i>	EN 1822	ISO 16890			
			ISO ePM ₁	ISO ePM _{2,5}	ISO ePM ₁₀	ISO COARSE
F7	90%	-	>50%	>65-95%	>85%	-
F9	95%	-	>80%	>95%	>95%	-
HEPA H14	-	>99.995%	-	-	-	-

Technical characteristics of the UVC germicidal chamber

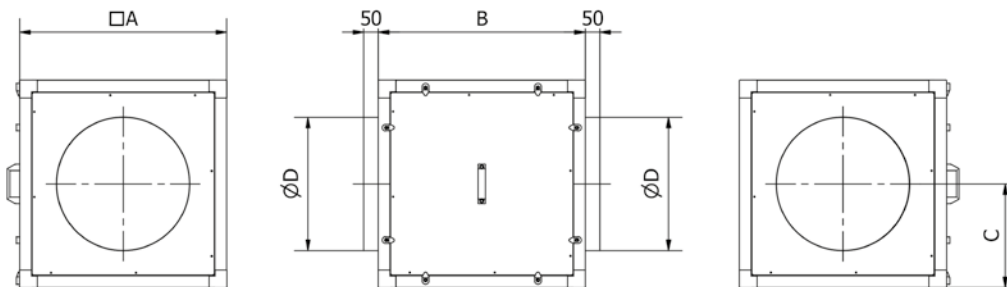
According to the model, these purification units can integrate a germicidal chamber, built with UVC ultraviolet lamps in a 256 nm spectrum, a wave width indicated to inactivate a wide variety of microorganisms by absorbing short wavelength energy through DNA and RNA.



Model	Number of lamps	Total electrical power(W)	Total Uvc radiation power (W)	Radiation dose (mJ/cm ²)*
CG/FILTER/UVc-315	6	54	16.8	7.3
CG/FILTER/UVc-355	6	54	16.8	5.5
CG/FILTER/UVc-450	4	102	28	5.0
CG/FILTER/UVc-500	6	153	42	6.6

*Minimum dose calculated based on flow with filters: F7+HEPA H14

Dimensions mm



	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

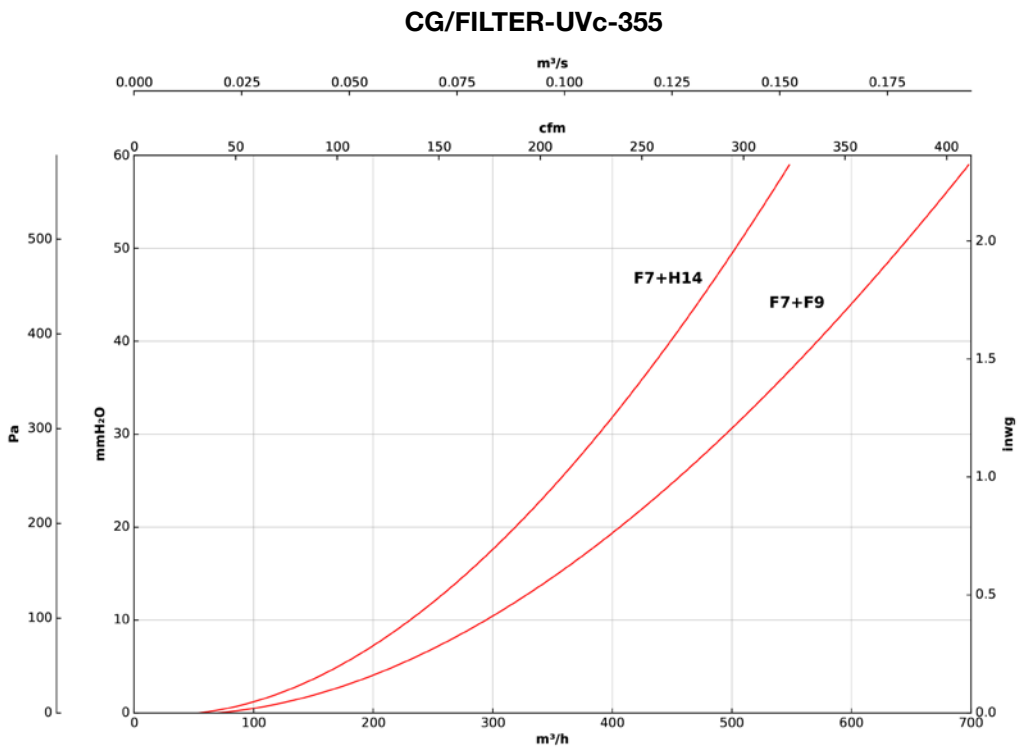
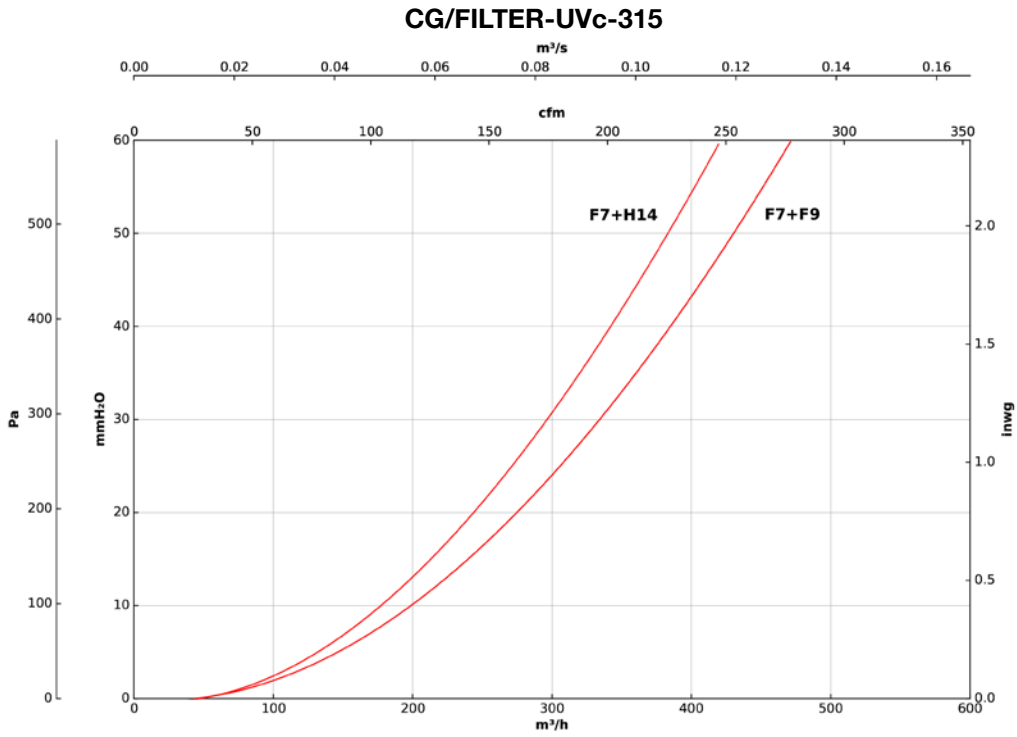
Accessories



Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

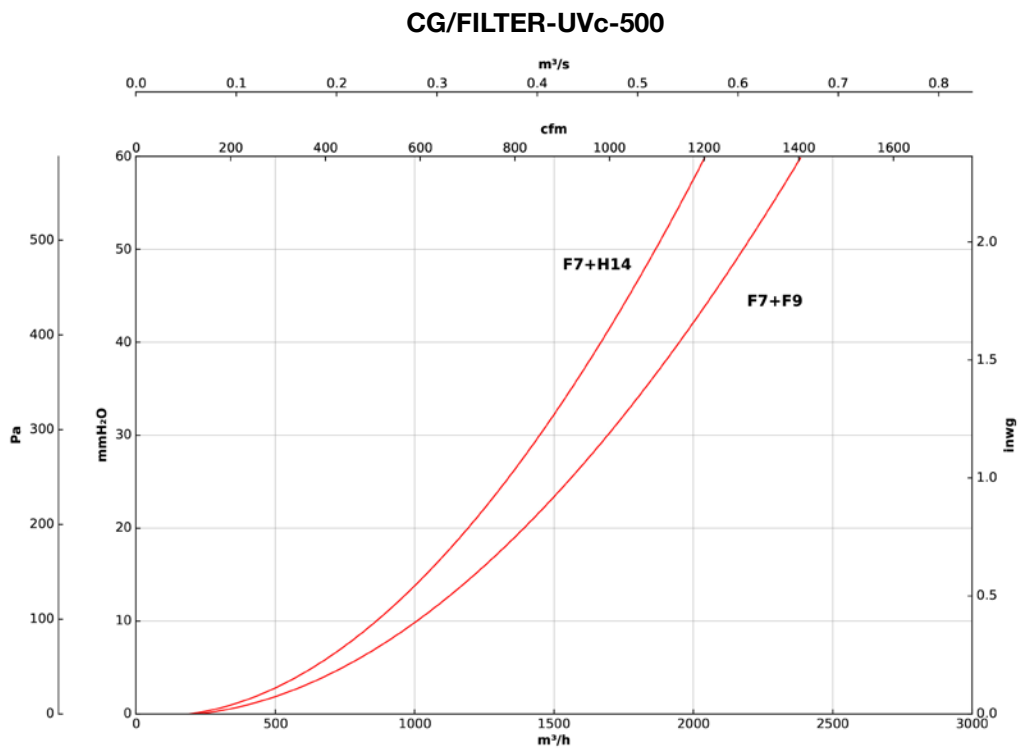
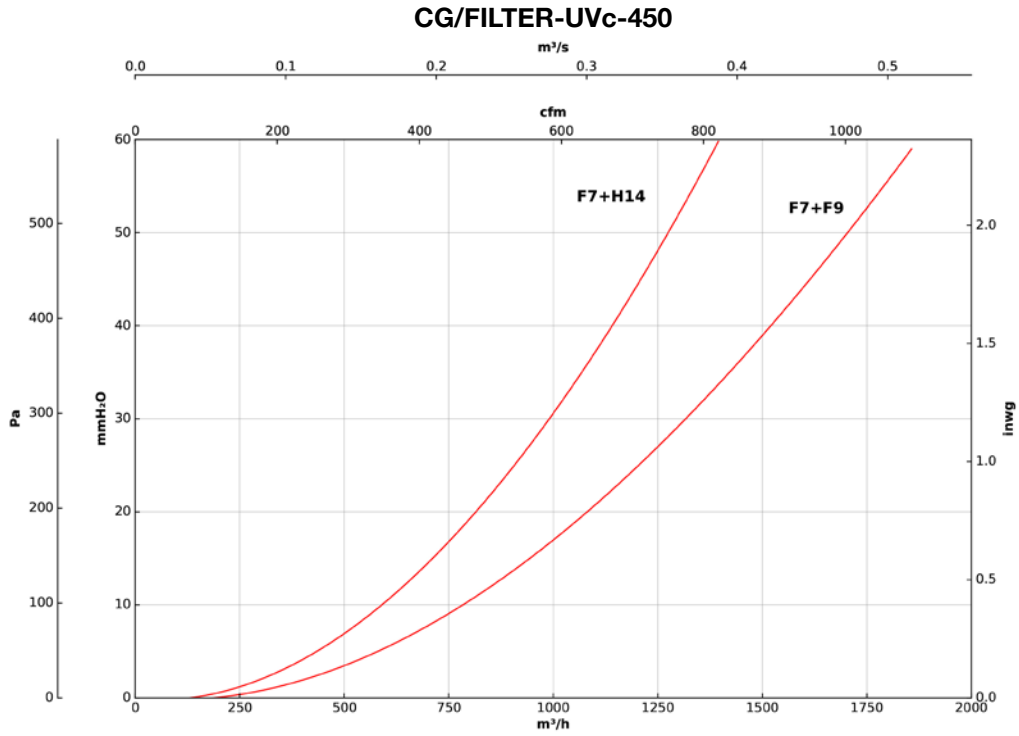
Pe= Static pressure in mm H₂O, Pa and inwg



Characteristic curves

Q= Flow rate in m³/h, m³/s and cfm

Pe= Static pressure in mm H₂O, Pa and inwg





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