AIRVISION COMFORT

HELP TO STOP COVID-19

INTERNATIONAL IUVA ULTRAVIOLET ASSOCIATION

CGR-UVc

GERMICIDAL CHAMBER FOR RECTANGULAR DUCTS

CG/LP-UVc

GERMICIDAL CHAMBER FOR CIRCULAR DUCTS

- ELIMINATES VIRUSES AND BACTERIA
- IMPROVES HYGIENE CONDITIONS
- DISINFECTION OF THE THROUGH-AIR
- INCREASED INDOOR AIR QUALITY
- FOR EXISTING VENTILATION INSTALLATIONS

SODECA®

CG

WE BET ON UVc TECHNOLOGY TO BEAT THE VIRUS

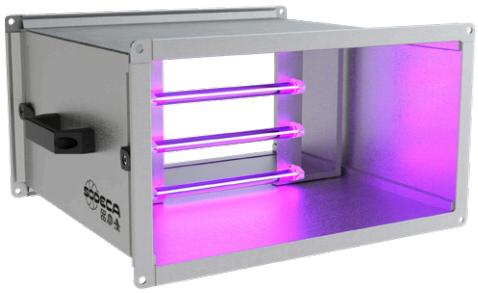
FILTRATION STAGES

F7 + F9

F7 + HEPA H14

CGR-UVc

Germicidal chamber without a fan for rectangular ducts equipped with UVc ultraviolet lamps and with the option of including filtration stages. Ideal for installation in existing air conditioning and ventilation systems.



Characteristics:
- Germicidal chamber with UVc lamps (256 nm).
- Maintenance access panel.
- Easy to install.
- Low profile models for installation in false ceilings.
- Filtration stage options of F7 + F9 or F7 + HEPA H14.
- Filters can be easily and quickly replaced using the guide slots.
- Inlet and outlet flanges allow easy installation in duct work.
- Includes safety features for handling and maintenance of ultraviolet lamps in accordance with standard UNE 0068:2020.

CG/LP-UVc

Germicidal chamber without a fan for circular ducts equipped with UVc ultraviolet lamps and with the option of including filtration stages. Ideal for installation in existing air conditioning and ventilation systems.

Finish:
- CGR-UVc: Anti-corrosive finish on galvanised sheet steel.
- CG/LP-UV: Anti-corrosive finish of polyester resin polymerised at 190 °C, previously degreased with phosphate-free nano-technological treatment.

Order code

CGR-UVc — 5030 — 0

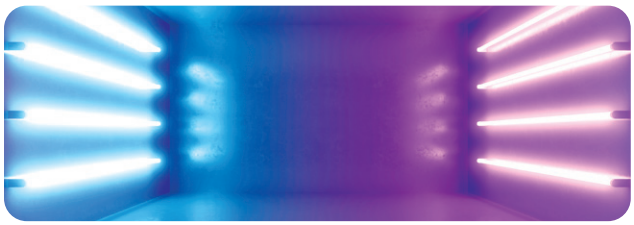
- ***CGR-UVc*** — Germicidal chamber for rectangular ducts
- ***5030*** — Duct section
- ***0*** — 0: Without filters F7 + F9 filter

CG/LP-UVc 315 0

- ***CG/LP-UVc*** — Germicidal chamber for circular ducts
- ***315*** — Duct diameter
- ***0*** — 0: Without filters F7 + F9 filter F7 + HEPA H14 filter

Technical characteristics of the UVc germicidal chamber

Depending on the model, these purification units can incorporate a germicidal chamber that utilises UVc ultraviolet lamps at 256nm wave length, which is the optimum amplitude for deactivating most micro-organisms by absorbing short wavelength energy through the DNA and RNA. Refer to the specific document for a list of the types of viruses or bacteria that are affected by the dose of radiation emitted inside the germicidal chamber.

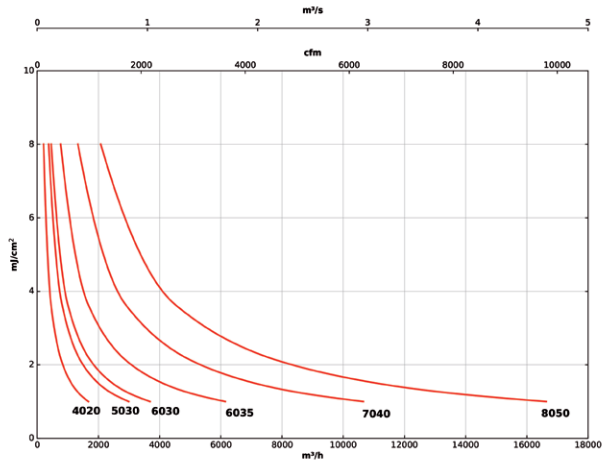


Model	Number of lamps	Total electric power (W)	Total radiated power UVc (W)
CGR-UVc-4020	4	36	11.2
CGR-UVc-5030	6	54	16.8
CGR-UVc-6030	6	54	16.8
CGR-UVc-6035	4	102	28
CGR-UVc-7040	6	153	42
CGR-UVc-8050	6	153	42

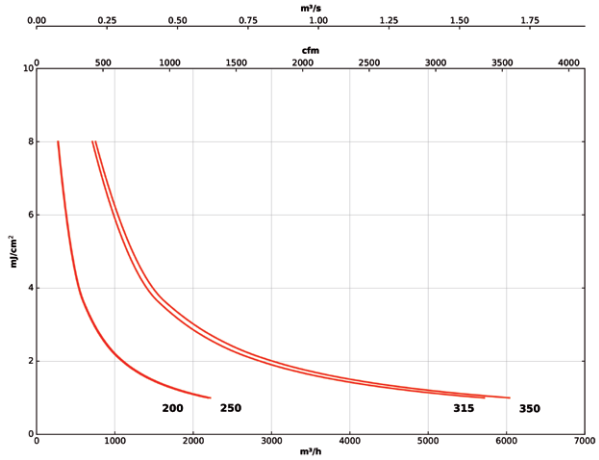
Model	Number of lamps	Total electric power (W)	Total radiated power UVc (W)
CG/LP-UVc-200	4	36	11.2
CG/LP-UVc-250	4	36	11.2
CG/LP-UVc-315	4	102	28
CG/LP-UVc-350	4	102	28

Dose calculation

CGR-UVc



CG/LP-UVc



Technical characteristics with filter

Model	Maximum flow rate (m³/h) Filters (F7 + F9)	Weight (kg)
CGR-UVc-4020	1833	16
CGR-UVc-5030	3247	20
CGR-UVc -6030	3896	28
CGR-UVc -6035	4545	32
CGR-UVc -7040	6061	40
CGR-UVc -8050	8658	50

Model	Maximum flow rate (m³/h) Filters (F7 + F9)	Filters (F7 + H14)	Weight (kg)
CG/LP-UVc-200	590	430	6.1
CG/LP-UVc-250	660	560	9.2
CG/LP-UVc-315	1035	850	10.4
CG/LP-UVc-350	1550	1270	12.5

Characteristics of the filters

Filters	EN 779 *Em*	EN 1822	ISO 16890 ISO ePM_1	ISO $ePM_{2.5}$	ISO ePM_{10}
F7	90%	-	>50%	>65-95%	>85%
F9	95%	-	>80%	>95%	>95%
HEPA H14	-	>99.995%	-	-	-

Accessories

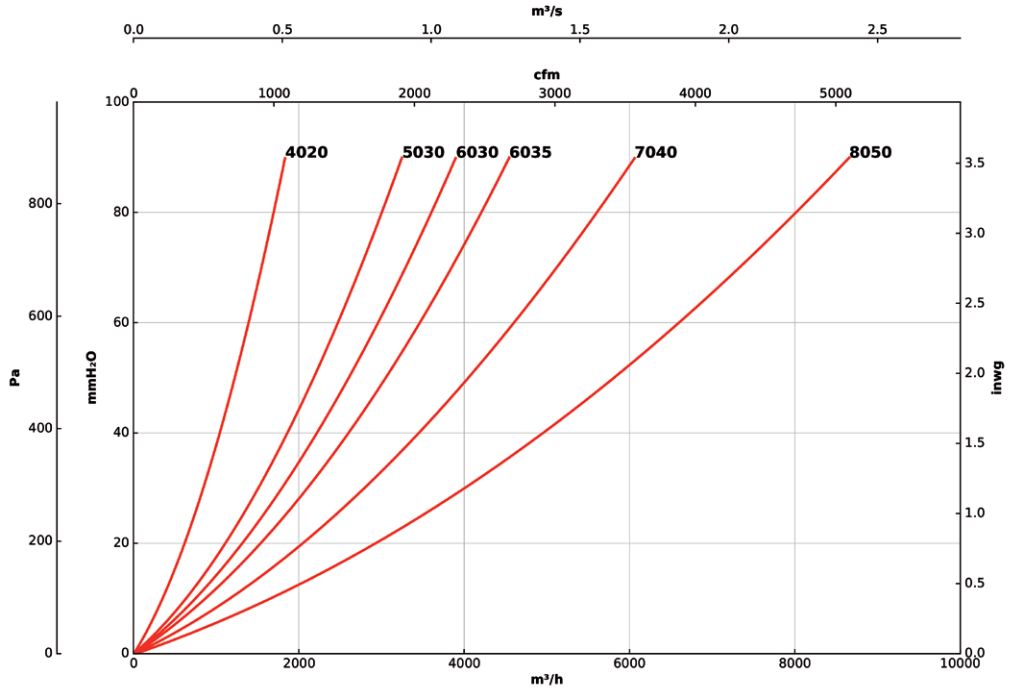
FILTERS | SI-PRESOSTATO | SI-PRESIÓN | SI-MF | SI-CO2 IND | PRESSURE SENSOR | ACE | TEJ | VIS

Filter load loss

Q = Flow rate in m^3/h, m^3/s and cfm. Pe = Static pressure in mmH_2O, Pa and inwg.

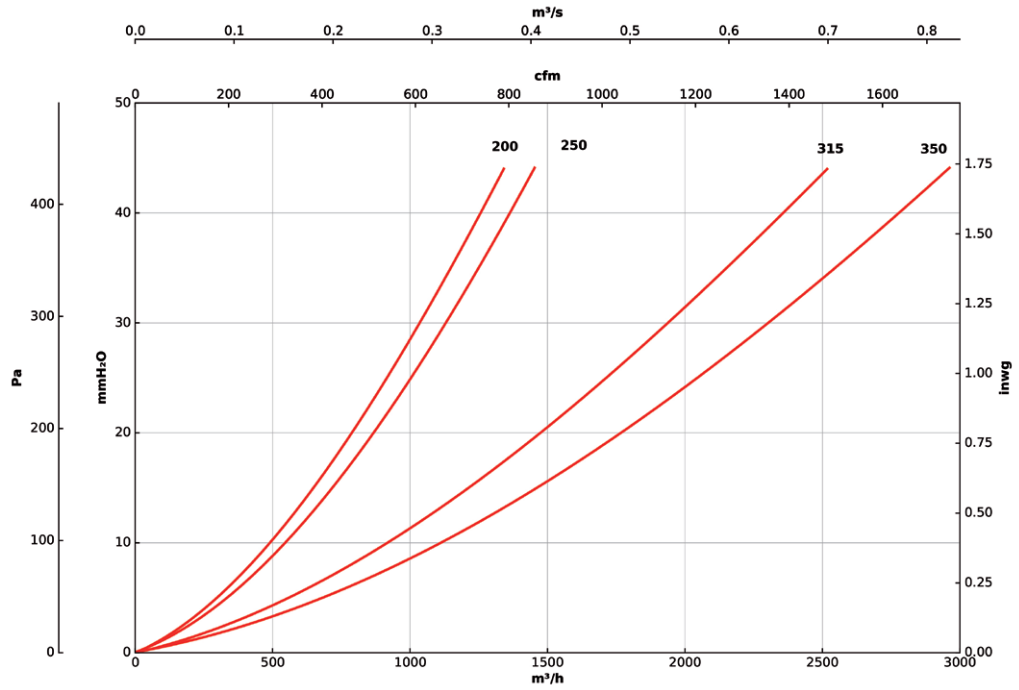
CGR-UVc

F7 + F9



CG/LP-UVc

F7 + F9



Filter load loss

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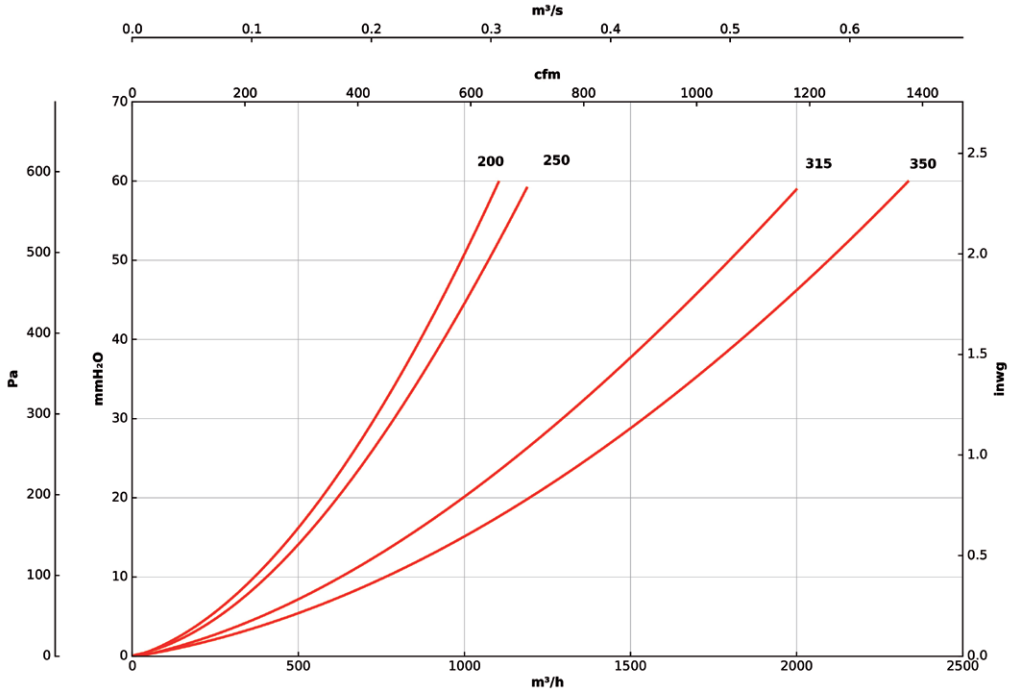
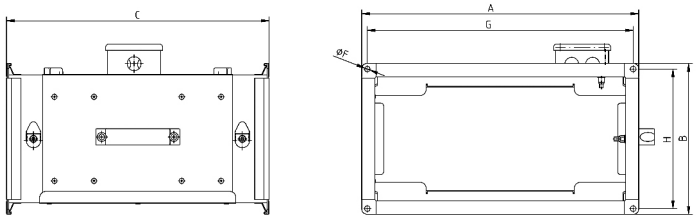
CG/LP-UVc

F7 + HEPA H14



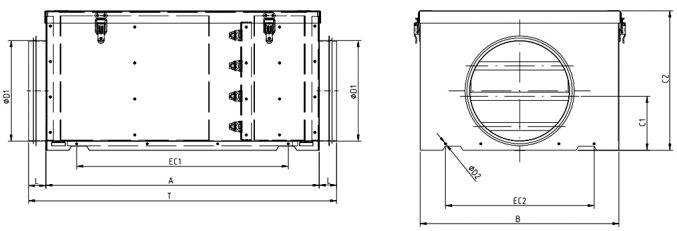
Dimensions mm

CGR-UVc



Model	A	B	C	ØF	G	H
CGR-UVc-4020	440	240	415	Ø9	420	220
CGR-UVc-5030	540	340	495	Ø9	520	320
CGR-UVc -6030	640	340	610	Ø9	620	320
CGR-UVc -6035	640	390	610	Ø9	620	370
CGR-UVc -7040	740	440	705	Ø9	720	420
CGR-UVc -8050	840	540	825	Ø9	820	520

CG/LP-UVc



Model	A	B	C1	C2	ØD1	L
CG/LP-UVc-200	543	395	117	275	198.5	34
CG/LP-UVc-250	550	420	140	294	248.5	48
CG/LP-UVc-315	567	421	175	372	313.5	58
CG/LP-UVc-350	599	610	200	411	353.5	56

Model	ØD2	EC1	EC2	T
CG/LP-UVc-200	4.3	420	360	611.5
CG/LP-UVc-250	4.3	420	320	646.5
CG/LP-UVc-315	4.3	450	439	683
CG/LP-UVc-350	4.3	468	525	711