

# Clean Box

## Filter boxes for round ducts

### Use

- For purification of supply air in ventilation and air conditioning systems installed in various premises
- Suitable for limited mounting space.
- Compatible with Ø 100 up to 200 mm round air ducts.



### Design

- The casing is made of polymer-coated steel.
- Easy access for filter maintenance.

### Mounting

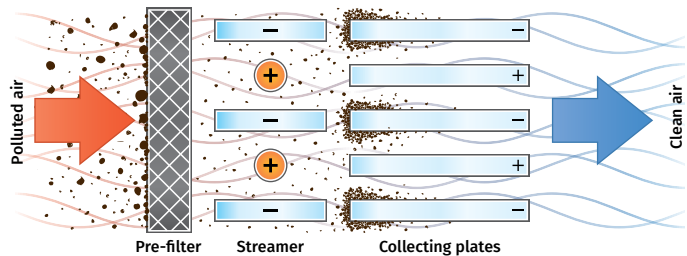
- Due to compact design is the ideal solution for mounting in limited spaces, including the space behind false ceiling.
- Any mounting position.
- Wall or ceiling mounting with fixing brackets supplied as a standard.

### Air filtration

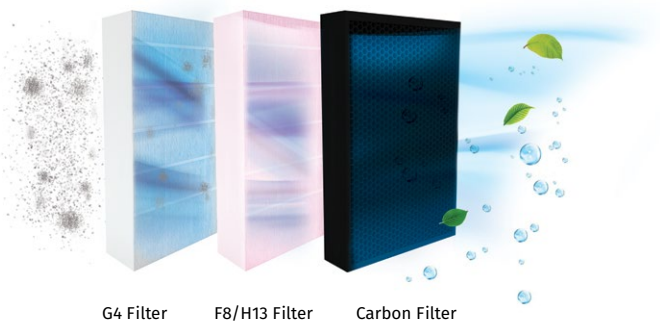
- Built-in filters provide efficient air filtration. Up to three filters can be installed into the casing.
- G4** filter provides primary filtration. At the second stage, the secondary filter **F8** or **HEPA** filter **H13** can be installed. F8 filter arrests up to 98 % of PM2.5 dust particles. **H13** filter arrest up to 99 % of PM2.5 dust particles, pollen and bacteria. For additional elimination of odors and gases carbon filter can be installed.
- Quick access to replaceable filters through service panel.

### Electrostatic filter

- The **Clean Box ES** is equipped with an electrostatic filter that enables purification of air from fine dust and soot, spray, smoke and other particles with the size of 0.01 microns and less.
- By default, models with an ES electrostatic filter are supplied with G4 preliminary filters.
- Max. filter cleaning efficiency 98 %.
- The electrostatic filters rely on gravity of oppositely charged objects.
- The polluted air stream flows through the spray charging unit for the particles ionization.
- Ionized particles are moved by the airstream and accumulated on the collecting plates which are oppositely charged.



- The filter cleaning interval depends on the inlet air pollution density and may vary from 7 up to 21 days.
- The filter cleaning interval is determined by the visual inspection of the filters.
- Vacuum cleaning is allowed.



G4 Filter      F8/H13 Filter      Carbon Filter

### Designation key

Series	Duct diameter [mm]	Filters	UV lamp
Clean Box	100; 125; 150; 200	G4; G4-F8; G4-F8-Carbon; G4-H13; G4-H13-Carbon; ES	UV

### Accessories

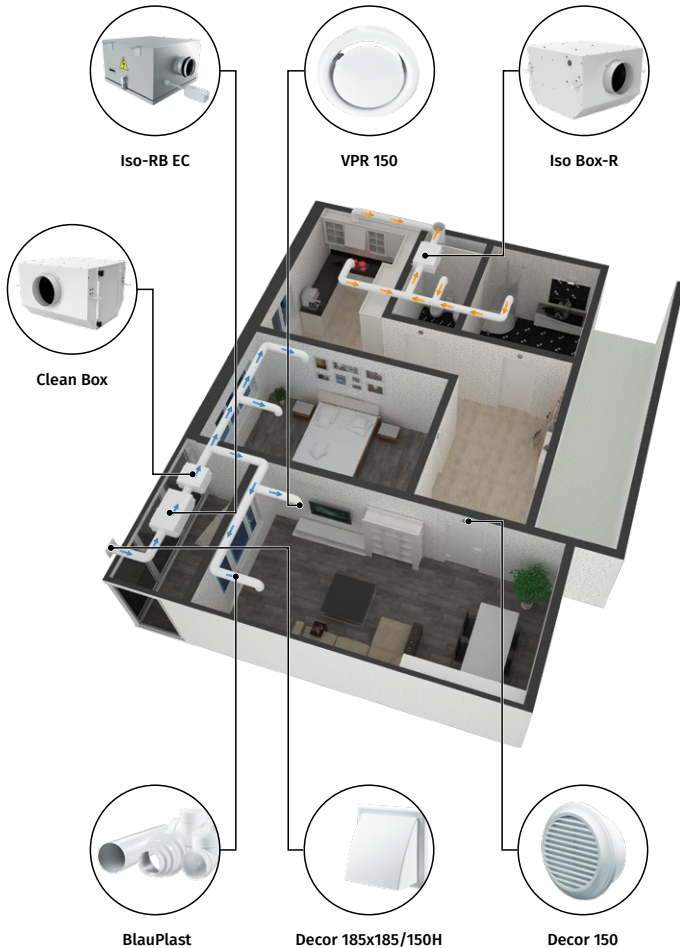
Air disc valves	Duct system	Flexible air ducts	Grilles and hoods	Clamps
VPR / VSR / VMR	BlauPlast	BlauFlex	Decor / GM	K / KZ

**UV lamp**

- The UV lamp with a wavelength of 256 nm cleans the air passing through the filter box from viruses and bacteria. The detachable lamp unit can be easily removed for maintenance or replacement thanks to a special service panel. The service life of UV lamps is up to 8000 hours.

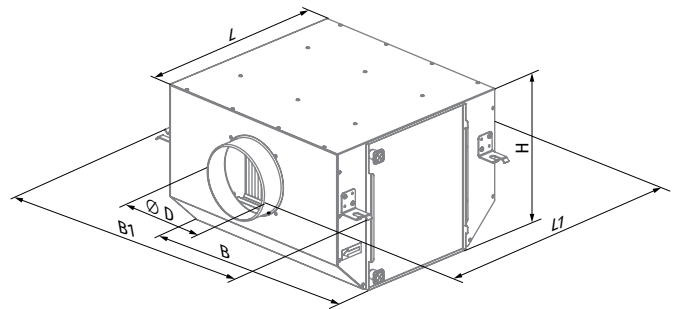


**Application**



**Overall dimensions [mm]**

Type	∅ D	L	H	B	L1	B1	Weight [kg]
Clean Box 100 G4-F8	100	413,5	249	415	513,5	508	7,47
Clean Box 100 G4-F8-Carbon	100	413,5	249	415	513,5	508	8,17
Clean Box 100 G4-H13	100	413,5	249	415	513,5	508	7,47
Clean Box 100 G4-H13-Carbon	100	413,5	249	415	513,5	508	8,18
Clean Box 100 ES	100	514	250	458	614	551	11,5
Clean Box 125 G4-F8	125	413,5	249	415	513,5	508	7,47
Clean Box 125 G4-F8-Carbon	125	413,5	249	415	513,5	508	8,17
Clean Box 125 G4-H13	125	413,5	249	415	513,5	508	7,47
Clean Box 125 G4-H13-Carbon	125	413,5	249	415	513,5	508	8,18
Clean Box 150 G4-F8	150	413,5	299	440	513,5	508	8,47
Clean Box 150 G4-F8-Carbon	150	413,5	299	440	513,5	508	9,04
Clean Box 150 G4-H13	150	413,5	299	440	513,5	508	8,47
Clean Box 150 G4-H13-Carbon	150	413,5	299	440	513,5	508	9,04
Clean Box 150 ES	150	514	300	458	614	551	12,7
Clean Box 200 G4-F8	200	413,5	299	605	513,5	508	10,62
Clean Box 200 G4-F8-Carbon	200	413,5	299	605	513,5	508	11,84
Clean Box 200 G4-H13	200	413,5	299	605	513,5	508	10,62
Clean Box 200 G4-H13-Carbon	200	413,5	299	605	513,5	508	11,84
Clean Box 200 ES	200	514	300	658	614	751	16,8
Clean Box 150 G4-F8 UV	147	513,5	299	440	611	533	12,4
Clean Box 150 G4-Carbon-F8 UV	147	513,5	299	440	611	533	13,3
Clean Box 150 G4-H13 UV	147	513,5	299	440	611	533	12,4
Clean Box 150 G4-Carbon-H13 UV	147	513,5	299	440	611	533	13,3
Clean Box 150 UV	147	513,5	299	440	611	533	11,9
Clean Box 160 G4-F8 UV	157	513,5	299	440	611	533	13,9
Clean Box 160 G4-Carbon-F8 UV	157	513,5	299	440	611	533	14,8
Clean Box 160 G4-H13 UV	157	513,5	299	440	611	533	13,9
Clean Box 160 G4-Carbon-H13 UV	157	513,5	299	440	611	533	14,8
Clean Box 160 UV	157	513,5	299	440	611	533	13,4
Clean Box 200 G4-F8 UV	197	513,5	299	605	611	698	17,2
Clean Box 200 G4-C-F8 UV	197	513,5	299	605	611	698	18,5
Clean Box 200 G4-H13 UV	197	513,5	299	605	611	698	17,2
Clean Box 200 G4-C-H13 UV	197	513,5	299	605	611	698	18,5
Clean Box 200 UV	197	513,5	299	605	611	698	16,6

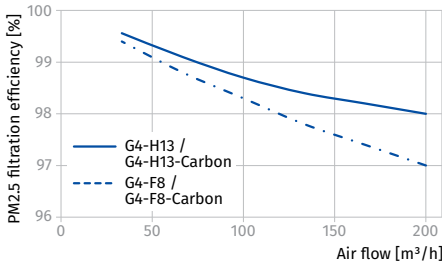
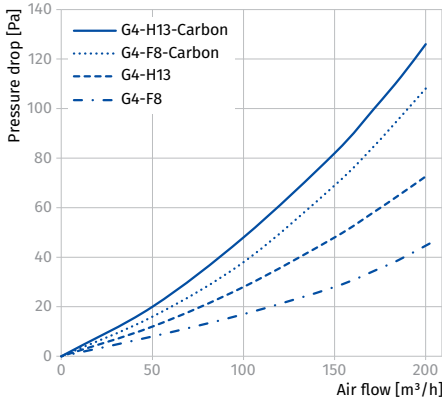


**Technical data**

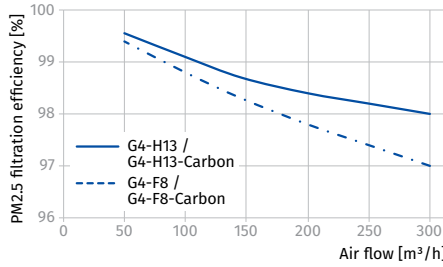
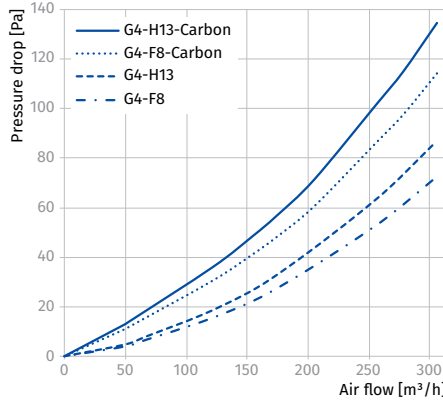
Parameters	Clean Box 100/150/200 ES	Clean Box 150/160 UV	Clean Box 200 UV
Lamp model Osram	-	HNS L 60 W 2G11	HNS L 95 W 2G11
Voltage [V / 50/60 Hz]	1~ 110-220	1~ 230	1~ 230
Rated current [A]	18	60	95
Starting current [A]	0.1	0.8	0.8
Power [W]	-	40	40
Radiation power (UVC) [W]	-	19	27
Lamp dimensions [mm]	-	408 x 40	533 x 40

FILTER BOXES

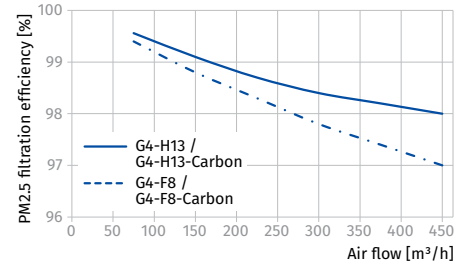
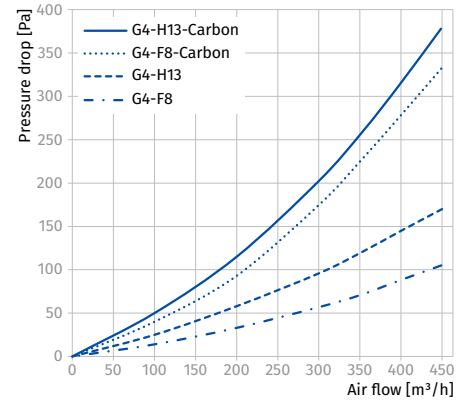
**Clean Box 100**



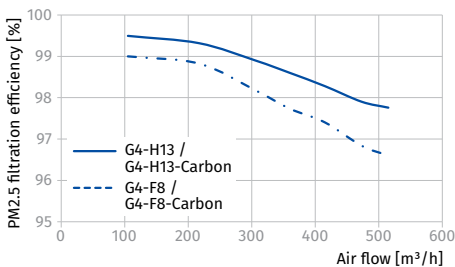
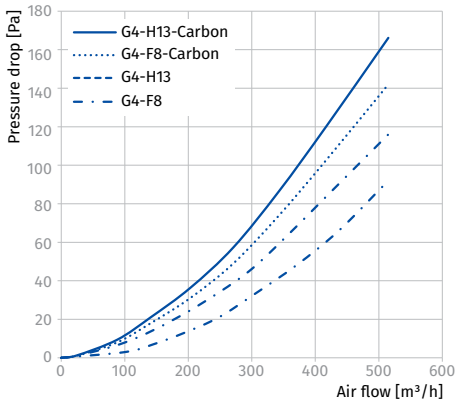
**Clean Box 125**



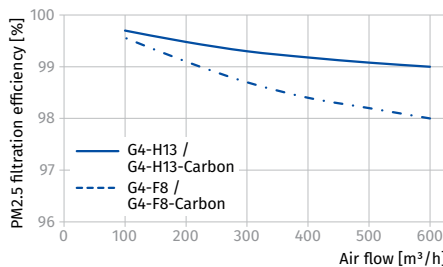
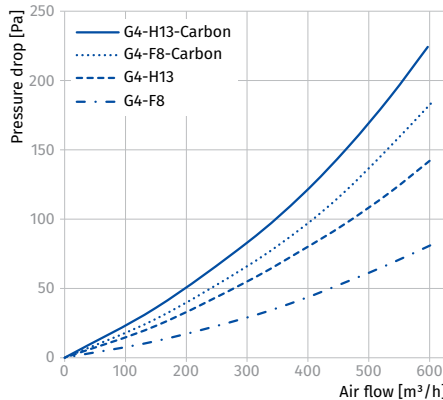
**Clean Box 150**

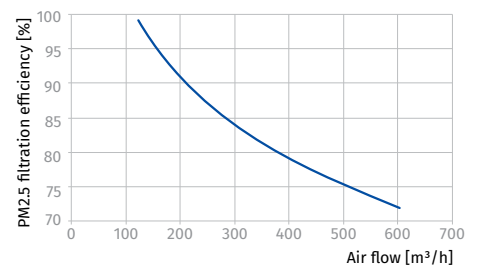
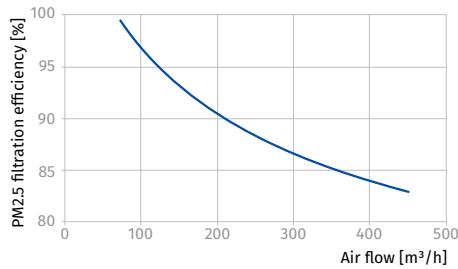
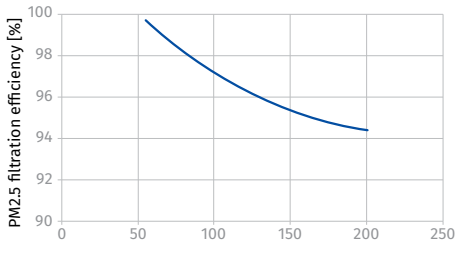
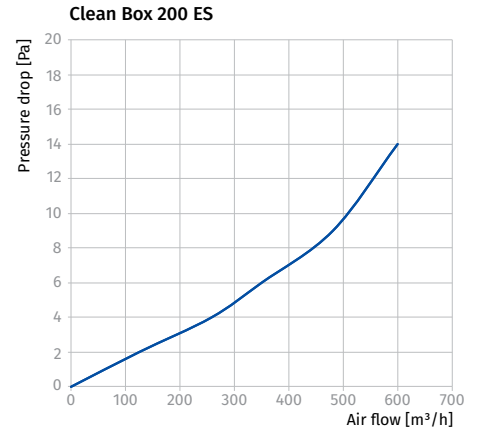
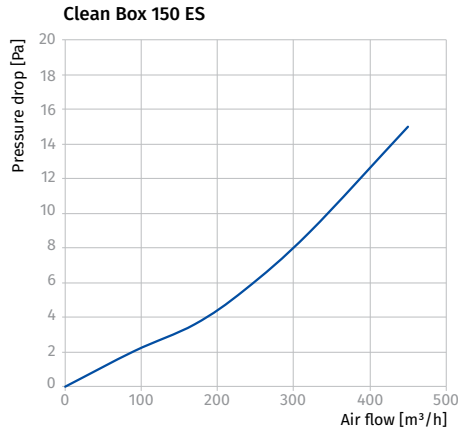
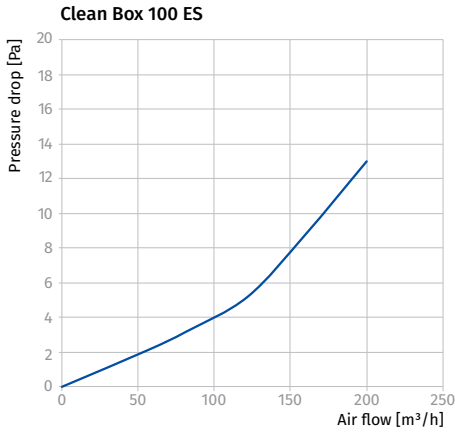


**Clean Box 150/160 UV**



**Clean Box 200 (UV)**





## Replaceable filters

		Clean Box 100/125	Clean Box 150 UV	Clean Box 200 UV
G4 Panel filter		FP 220x400x47 G4	FP 270x425x47 G4	FP 270x590x47 G4
F8 Panel filter		FP 220x400x47 F8	FP 270x425x47 F8	FP 270x590x47 F8
H13 Panel filter		FP 220x400x47 H13	FP 270x425x47 H13	FP 270x590x47 H13
Carbon panel filter		FP 220x400x47 C	FP 270x425x47 C	FP 270x590x47 C