

Filters

GeoFilter GFH and GFH PLUS

GeoFilter GFH is an efficient solution for dust and smoke filtration.

The filter has a capacity of up to 15,000 m³/h, and multiple units can be installed in parallel to expand its capacity. The filter comes with a cleaning system that uses compressed air to clean the filter cartridges from dust and other particles.

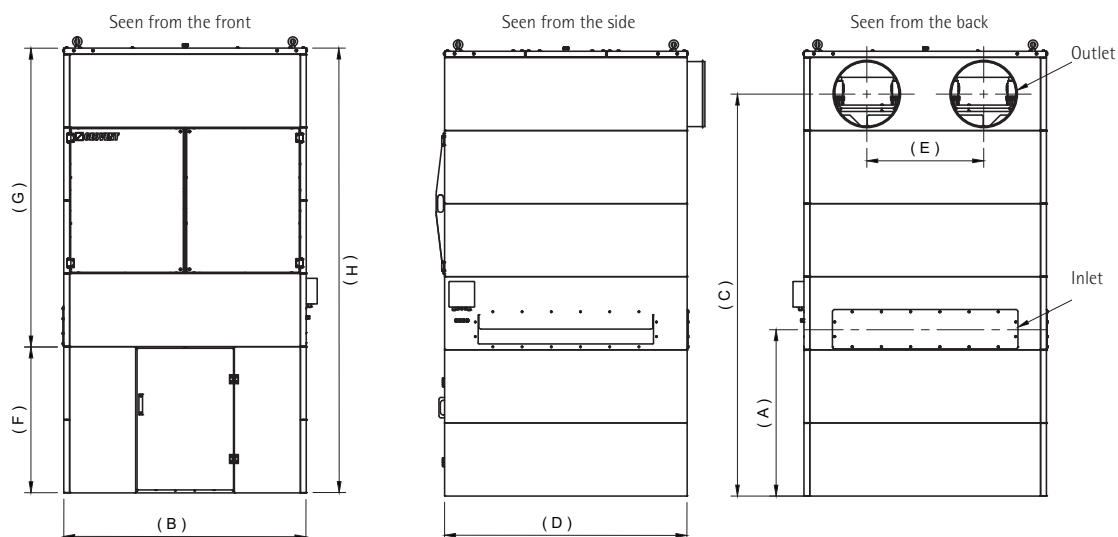
As standard, it comes with control (timer-based as standard, differential pressure on request) and an easily movable collection bin.

The filter cartridges can be supplied in a wide range of variants depending on the specific situation's requirements.



GeoFilter GFH-12 PLUS

Dimensions - GFH and GFH PLUS



Model/ Dimension	A	B	C	D	E	H	Inlet	Outlet	Air Flow	Filtration surface	Filter size	Weight	Cabinet
GFH-6	1140	850	2245	1660	*	2540	1200x200	1 x ø450	3.360 m ³ /h	48 m ²	325x600		Galv. / painted
GFH-9	1140	1210	2245	1660	600	2540	1200x200	2 x ø450	5.040 m ³ /h	72 m ²	325x600		Galv. / painted
GFH-12	1140	1660	2245	1660	800	2540	1200x200	2 x ø450	6.720 m ³ /h	96 m ²	325x600		Galv. / painted
GFH-6 PLUS	1140	850	2750	1660	*	3045	1200x200	1 x ø450	7.500 m ³ /h	94 m ²	325x1200		Galv. / painted
GFH-9 PLUS	1140	1210	2750	1660	600	3045	1200x200	2 x ø450	11.200 m ³ /h	140 m ²	325x1200	550 kg	Galv. / painted
GFH-12 PLUS	1140	1660	2750	1660	800	3045	1200x200	2 x ø450	15.000 m ³ /h	190 m ²	325x1200	640 kg	Galv. / painted

We recommend 500 mm open space over the filter for maintenance. * Only one outlet. Only GFH-12 and GHF-12 PLUS also have inlets on the back.

Filter media

The cartridges can be delivered in a wide variety of pleated fabrics depending on the application.

Below you see some of the filter cartridges available.



Art no.	Description
15-551	Filter cartridge FT/13 8m ² Ø325 - GFH series ø325x600mm 99,9% v/0,3µm (welding smoke)
15-550	Filter cartridge FT/13 16m ² Ø325 mm - GFH PLUS series ø325x1200mm 99,9% v/0,3µm (welding smoke)
15-553	Filter cartridge FT/18, 8 m ² Ø325 for GFH ø325x600 mm 99,9% v/0,3µm (laser/plasma) PTFE menbrane
15-552	Filter cartridge FT/18 16m ² ePTFE f/ GFH Plus ø325x1200 mm 99,9% v/0,3µm (laser/plasma) PTFE menbrane



Advanced control of the filter for maximum performance.



GFH-12 PLUS

The GFH is front operated for easy filter cartridge replacement.

Ordering table

Art. No.	Description
15-531	GeoFilter GFH-6
15-532	GeoFilter GFH-9
15-533	GeoFilter GFH-12
15-534	GeoFilter GFH-6 PLUS
15-535	GeoFilter GFH-9 PLUS
15-536	GeoFilter GFH-12 PLUS

Model	GFH-6	GFH-9	GFH-12	GFH-6 PLUS	GFH-9 PLUS	GFH-12 PLUS
Number of filter cartridges	6	9	12	6	9	12
Filter type	FT/13	FT/13	FT/13	FT/13	FT/13	FT/13
Filter area [m ²]	48	72	96	94	140	190
Number of shot valves	2	3	4	2	3	4
Max Airflow [m ³ /h]	3.360	5.040	6.720	7.500	11.200	15.000
Air tank [liter]	9L	13L	17L	9L	13L	17L
Filter control w. display, Protection class	IP65	IP65	IP65	IP65	IP65	IP65
Inlet/outlet, sealing class	Classe C	Classe C	Classe C	Classe C	Classe C	Classe C
Collection bucket [liter]	120	120	120	120	120	120
Galvanized cabinet, Corrosion class	III	III	III	III	III	III
Item number	15-531	15-532	15-533	15-534	15-535	15-536
Temperature extracted air	Max 80°	Max 80°	Max 80°	Max 80°	Max 80°	Max 80°

Pressurised air	Air usage	Power supply	Temperature
3 - 6 bar clean and dry air	Typical 3.0L (compressed air) per valve per shot	24VDC or 230 VAC	-12° - +65° C

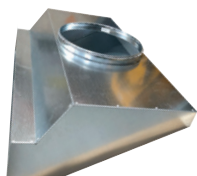
Accessories



Art. No.	Description
92-214	Timer control GFH is mounted from the factory as standard
92-214B	Differential pressure control GFH



15-490	Water separator for GFH filter with regulator, manometer and mounting bracket
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Transition with lower pressure drop

15-540	Square to round transition piece for GFH ø400 mm
15-541	Square to round transition piece for GFH ø400 mm vertical inlet - transition with slope - lower pressure drop
15-542	Square to round transition piece for GFH 2xø400 mm
15-543	Square to round transition piece for GFH 2xø400 mm vertical inlet - transition with slope - lower pressure drop
15-544	Square to round transition piece for GFH ø500 mm
15-545	Square to round transition piece for GFH ø500 mm vertical inlet - transition with slope - lower pressure drop

15-537	Roof for GFH-6
15-538	Roof for GFH-9
15-539	Roof for GFH-12