

## GEOVENT GEOFILTER GFB2



### GFB2 FILTER CARTRIDGES



### DESCRIPTION

The GFB2 filter is the complete solution when it comes to cleaning extracted air efficiently. The filter removes as much as up to 99.97% of hazardous particles from the extracted air.

The GFB2 filter is used in a wide range of businesses, primarily industry. It is used for filtering air from processes such as welding, grinding, sanding, plasma-/lasercutting and powder coating.

The filter's capacity is an airflow up to 7200 m<sup>3</sup>/h, and can be connected in parallel, if needed.

By default, the filter is delivered with a cleaning system, using shots of compressed air, to clean the filter cartridges from excessive dust.

As standard, it comes with a filter control unit (timer based as standard, differential pressure upon request) and an easy to move collection bucket. GeoFilter GFB2 is made from galvanised sheet metal, and has easy service access, with hatched double doors.

It is not recommended to place the filter outdoor due to condensation issues which may occur.

If the filter is placed outside, however we suggest using a protective roof to protect the filter from rain.

### FILTERS FOR GFB2



## GEOVENT GEOFILTER GFB2

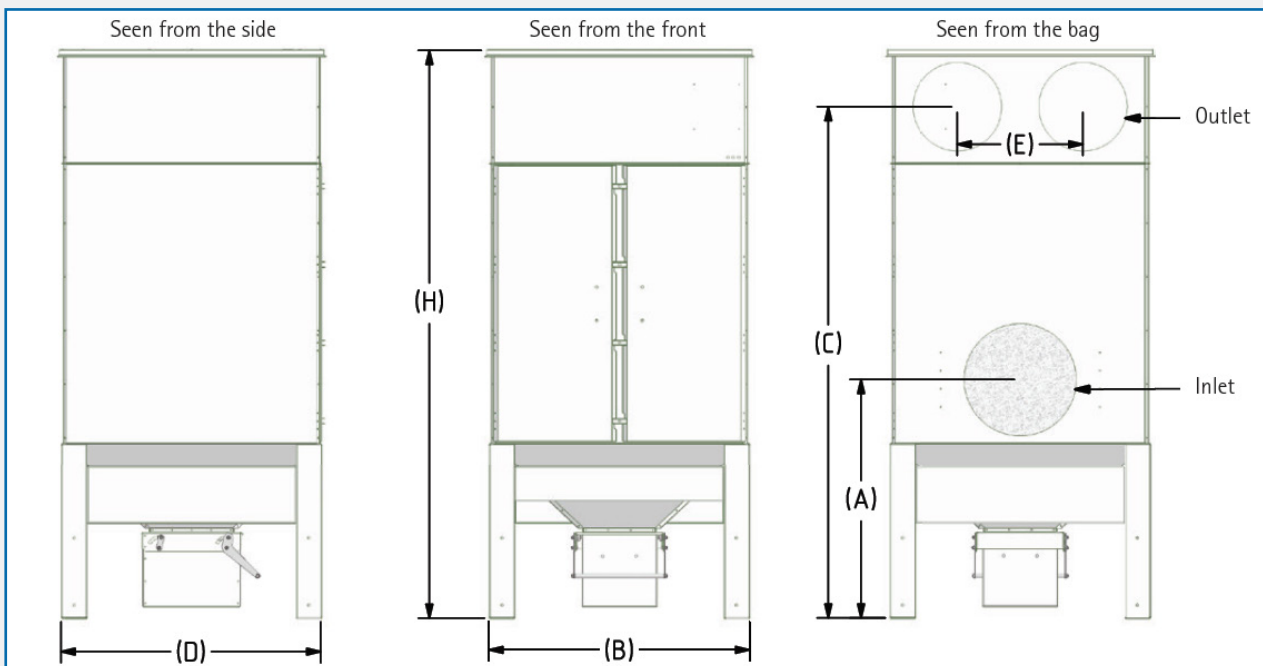
### GFB2 FILTER CARTRIDGES

15-480FL	FT/11 - 99.9% V/0.3 µm (grinding dust/no smoke or oil mist)
15-480AFL	FT/11 - 99.9% v/0.3 µm ALUTEC (All-Round)
15-481FL	FT/13 - 99.9% v/0.3 µm (welding smoke)
15-482FL	FT/13 - 99.9% v/0.3 µm (laser/plasma) PTFE membrane (for GFB HD)
	Extra for alu-coating - pr. filterpatron
15-479	Pre-coat - ensures longer life for cartridge. Per liter. (approx. 5 grams per m <sup>2</sup> )

### ADVANCED CONTROL



### DIMENSIONS



Model	A	B	C	D	E	H	Inlet	Outlet	Weight	Cabinet
GFB2-3-1	775	935	1830	335	-	2035	Ø250np	1x Ø250np	90 kg	Hot galv.
GFB2-6-2	810	935	1830	635	-	2035	Ø315np	1x Ø315np	135 kg	Hot galv.
GFB2-9-3	855	935	1830	935	450	2035	Ø400np	2x Ø315np	180 kg	Hot galv.
GFB2-12-4	900	1230	1830	935	373	2035	Ø500np	3x Ø315np	225 kg	Hot galv.

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### GFB2 FILTER CARTRIDGES

Model	GFB2 3-1	GFB2 6-2	GFB2 9-3	GFB2 12-4
Number of filter cartridges	3	6	9	12
Filter type	Standard	Standard	Standard	Standard
Filter area (m <sup>2</sup> )	30	60	90	120
Number of shots valves	1	2	3	4
Max. Airflow (m <sup>3</sup> /h) (Dependant of volume)	1800	3600	5400	7200
Air tank (litres)	4	8	12	16
Filter control w. display Protection class	IP65	IP65	IP65	IP65
Inlet/outlet, sealing class	Classe C	Classe C	Classe C	Classe C
Collection bucket (litres)	25	25	25	25
Galvanised cabinet, corrosion class	III	III	III	III
Order number	15-400	15-401	15-402	15-403

Pressurised air	Air usage	Power supply	Temperature	Typical pressure drop	Sound Level
3-6 bar clean and dry air	3.0 l/min pr. valve	240DC or 230 VAC	-12° - +65°C	1000-1500 Pa	<68 dB(A)

### APPLICATIONS

Application	15-480FL	15-482FL	15-480AFL	15-481FL
Oilmist				X
Dry welding smoke				X
Oil saturated welding smoke				P*
Foundry				X
Powder coating	X		X	
Plasma/laser cutting		P*		
Sand blasting/Sand	X			
Sand blasting/Glass			F*	
Sand blasting/enamel, steel, aluminium				
Grinding				X
Unspecified dust with out smoke	X			
Milk powder				X
Spice			A*	
Tobacco			X	
Paper			X	
Chalk				X
Cement				X
Saw dust			A*	

\*Notes: P = Prekote F = moisture resistance A = ATEX approved

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