

GEOVENT GFB FILTER

-Filter with fully automated pneumatic air cleaning system...

AREA OF APPLICATION

GeoFilter GFB is used for filtration of extracted air from polluting processes such as welding, grinding, sand blasting, plasma / laser cutting & powder enamelling. The filter can not be used for filtration of aluminium, flavour, wood dust and other media associated with explosion danger.

FILTER CARTRIDGES

The GeoFilter GFB is delivered with filter cartridges of different pleated textile with or without coating (minimum filtration efficiency of 99,90% according to BIA-test - see back for choice)

FILTER CLEANING

The filter cartridges are cleaned automatically by a shock wave send down through the filter cartridges, whereby the particles that are caught in the textile will fall off and land in the collection bucket below.

CARTRIDGE REPLACEMENT

The cartridges are replaced by demounting the lid on the top of the cabinet, where after the cartridges can be pulled up. NB: A free height of minimum 800 mm above the top of the filter is required.

INSTALLATION

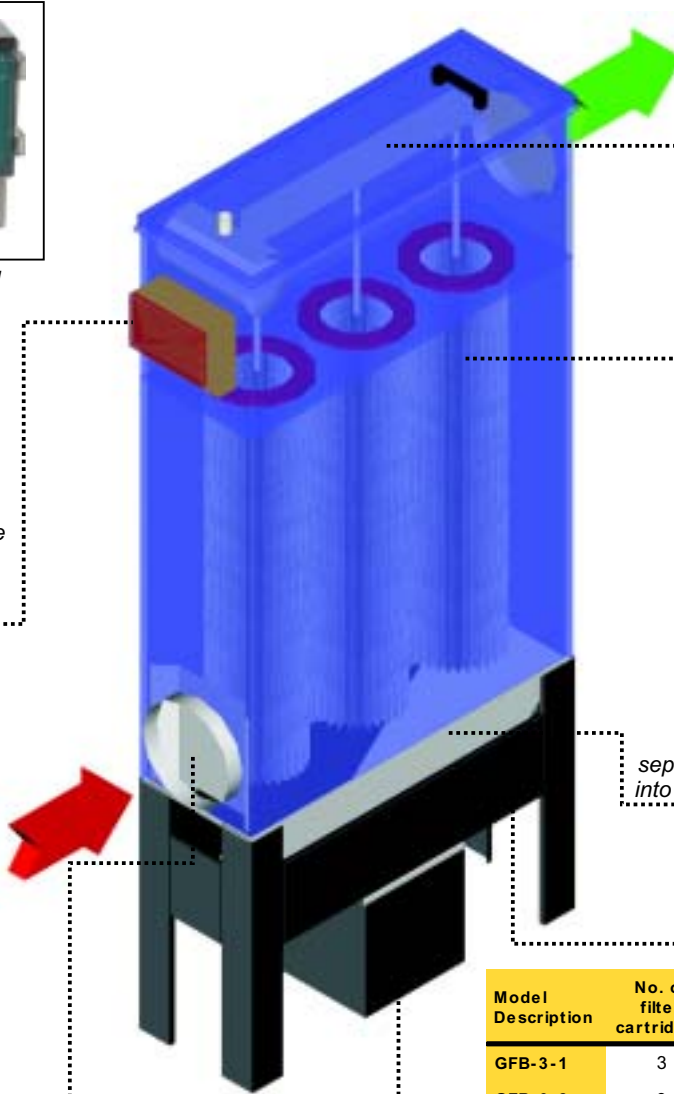
The filter should as a principal rule be installed inside, because it eliminates the potential condensation problems, when the filter is not in use. However, because of the enclosed and galvanised cabinet, the filter can be placed outside, when no other placement is an option. The filter needs 230VAC power supply & 6 Bar clean and dry air compressed air. The filter should not be used when the differential pressure is higher than 1800 Pa.



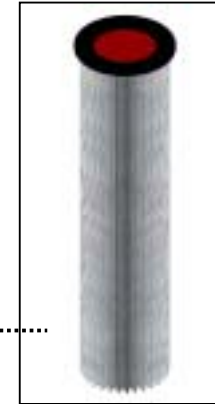
User friendly filter control with digital display. Optionally programmable pulse timer can be set between 0-9 sec., pulse interval between 1-999 sec. & after run cycles between 1-9 cycle. E.g. cleans the filter during use & runs a cleaning cycle in the end when the fan is turned off. Connection 230 VAC 50 Hz.



A directional plate insures that the bigger particles do not hit the filter cartridges, and instead are lead directly into the collection bucket.



The filter cartridges are cleaned automatically by a pneumatic pulse jet system which is build inside the removable top.



Filter cartridge ø215x1000 mm with rubber flange. Minimum 99,9% filtration efficiency. Alternative filter cartridges with other characteristics such as high temperature resistance & filtration of tough particles, can be offered upon request.

Filter cone, leads the separated particles down into the collection bucket.

Robust frame/cabinet, made of galvanised steel plate, so the filter does not rust when placed outside.

25 liter collection bucket with handle.



Model Description	No. of filter cartridges	Filter type	Filter area [m ²]	No. of pulse valves	Max. Air flow * [m ³ / h]	Compressed air tank [liter]	Dust collector [liter]	Corrosion Class	Article No.
GFB-3-1	3	Standard	30	1	1800	4	25	Class C	15-400
GFB-6-2	6	Standard	60	2	3600	8	25	Class C	15-401
GFB-9-3	9	Standard	90	3	5400	12	25	Class C	15-402
GFB-12-4	12	Standard	120	4	7200	16	25	Class C	15-403

* Depending on the dust/fume load



Collection bucket with quick lock and handle