

Filter

GFB2 W3

GeoFilter GFB2 W3 is a complete and self-cleaning filter unit. It is tested at Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA) in Germany and approved according to DIN EN ISO 21904-1 and 21904-2 and it meets the requirements of welding fume separation class "W3".

This filter unit has extra security measures built-in compared with our standard GFB2 filter units:

- The filter unit has an extra alarm and a lamp built-in, which is activated when the filter cartridges need to be changed.
- When the filter cartridges are changed, these are loosened from the top - meaning from the clean side. This way, persons who change the filter avoid contact with the contaminated particles on the filter cartridges. When the filter cartridges are loosened, the doors can be opened and each cartridge can be covered with a plastic bag and removed and then the bag can be closed tight.
- A vacuum is established in the bucket in order to avoid, that the bag and the contents of the bucket from being extracted up into the filter unit.

Like the GeoFilter GFB2 this unit has an automatic, timer controlled cleaning function installed as standard. The controller is programmed from the factory, but the parameters can be adjusted, so that the filter unit is matching the exact need.

It is possible to exchange the timer control unit to a differential pressure control unit, which activates the cleaning at a pre-defined pressure loss.



Advanced control of the filter for maximum performance



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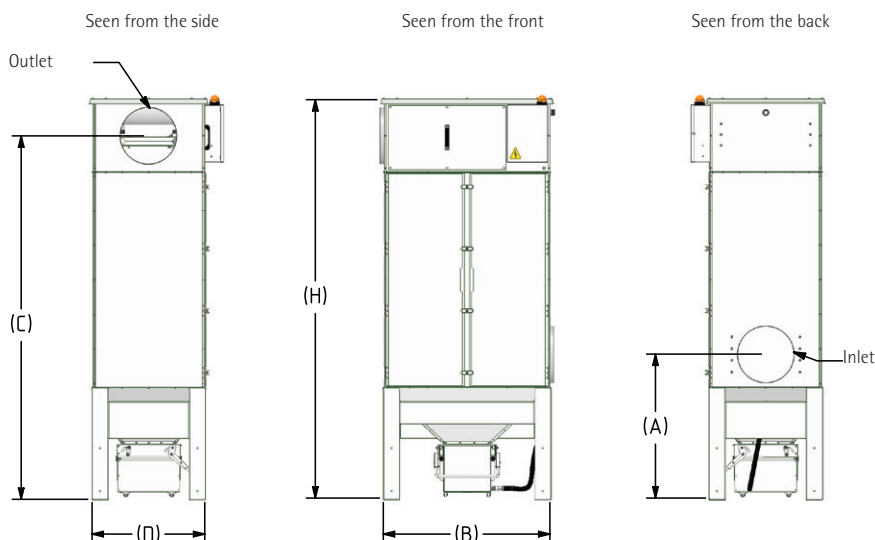


Ordering table

Art. No	Description	Filter area	Max m ³ /h
15-460W3	GeoFilter GFB2 W3 3-1	30 m ²	1.800
15-461W3	GeoFilter GFB2 W3 6-2	60 m ²	3.600
15-462W3	GeoFilter GFB2 W3 9-3	90 m ²	5.400
15-463W3	GeoFilter GFB2 W3 12-4	120 m ²	7.200

Art no.	Description
15-482FL	FT/18 – 99,9% v/0,3µm (laser/plasma) PTFE membrane (for GFB HD/GFB2 W3)

Dimensions



Model/Dimension [mm]	A	B	C	D	H	Inlet	Outlet	Weight	Cabinet
GFB2 W3 3-1	808	935	2022	635	2226	ø315np	1xø250np	kg	Galvanized
GFB2 W3 6-2	808	935	2022	635	2226	ø315np	1x315np	kg	Galvanized
GFB2 W3 9-3	808	935	2022	935	2226	ø400np	2x315np	kg	Galvanized
GFB2 W3 12-4	808	1230	2022	935	2226	ø500np	2x315np	kg	Galvanized

Combination options for filter units and fans

FILTER TYP	Art. No.	Number of cartridges	Filter area [m ²]	Typical air volume min [m ³ /h]	Typical air volume max [m ³ /h]	Fan	Art. No.	Typical pressure at min air volume [kPa]	Typical pressure at max air volume [kPa]	FRQ
GFB2 W3 3-1	15-460W3	3	30	1.000	1.800	MHF-500-3 4 kW	36-550	3,7	2,6	
						MEF-400-3 5,5 kW	35-206A	2,9	2,8	x
						MSFG-250-3 4.0 kW	33-002	1,7	1,7	
GFB2 W3 6-2	15-461W3	6	60	1.500	3.600	MEF-450-3 5,5kW	35-706	2,7	2,7	
						MEF-400-3 5,5 kW	35-206A	2,9	2,8	x
						MSFG-250-3 4.0 kW	33-002	1,7	1,6	
GFB2 W3 9-3	15-462W3	9	90	2.500	5.400	MEF-500-3 7,5kW	36-500	3,3	3,2	
						MEF-450-3 5,5 kW	35-706	2,6	2,3	
						MEF-400-3 5,5 kW	35-206A	2,8	2,1	x
GFB2 W3 12-4	15-463W3	12	120	4.000	7.200	MEF-500-3 7,5KW	36-500	3,4	2,8	
						MEF-500-3 11 kW	36-501	4,2	4,1	x
						MEF-450-3 5,5kW	35-706	2,7	1,8	