



Description PFL 52 - 104

Air distribution modules for application with Filterline type FL. By this compact filter units are obtained for air cleaning in polluted rooms, where recirculation is permitted.

Construction

- Air distribution modules for polluted air extraction in top. After this air is led through silencers and backdraft damper to raw air chamber on Filterline type FL
- Filtered outlet air is led through channel silencers and diffusion panels back to the room distributed 360° around unit
- PFL-modules are only available built-on Filterline type FL from factory
- Panels only available for Filterline type FL 52/VE 5500 and FL 104/VE 7500
- Unit function principle is based on clean air injection back to the room at floor level and with it vertical displacement of polluted air from operator inhalation zone
- Low-noise: 68-70 dB(A)

Application

- Air cleaning in dust loaded rooms, e.g. for grinding, welding and powder handling
- Available also for Filterline type FL with W3-certification



Inlet

Air inlet in module top, where air channels are vlies-coated Rock-wool.



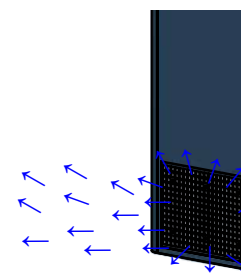
Injection

Diffusion panels for return lead of cleaned air with low speed below 1m/sec. 360° air distributed to room according to ISO EN 15012-1.



Backdraft damper

Air inlet channel equipped with backdraft dampers for prevention of dust backdraft at filter cleaning.



Inhalation zone

Diffusion panels ensure vertical displacement of polluted air from operator inhalation zone. (Full illustration - see next page)

Colour RAL 5007/7011 (structure)

Type	Order no.	kW	No. cartridge	Filter area [m ²]	Motor starter type	Supply plug	Dust container [L]	Weight FL [kg]
FL 52/VE 5500	04 621 000	5.5	4 ¹⁾	52	Hand-operated motor protection	32	57	490
FL 104/VE 7500	04 623 000	7.5	4 ²⁾	104	Aut. star-delta-starter	32	57	550

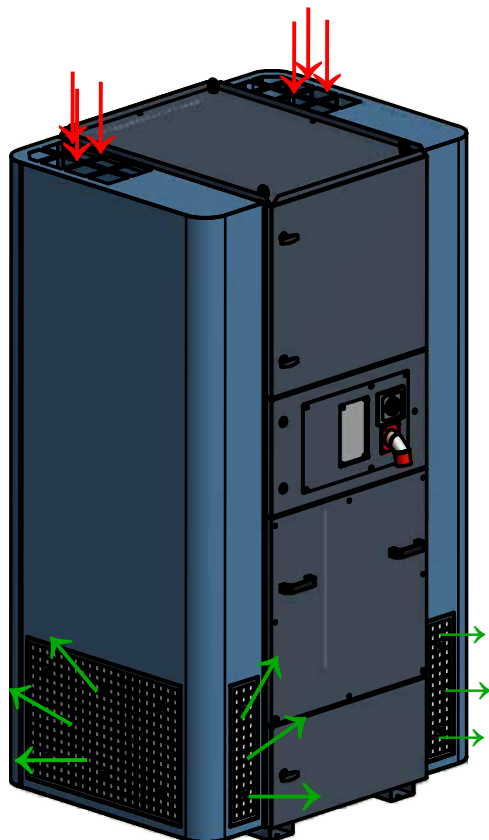
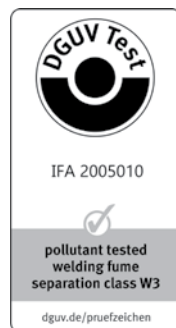
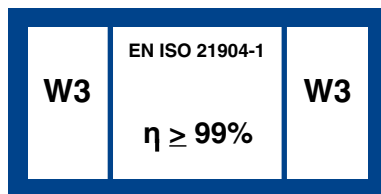
¹⁾ Filter cartridge 325 x 660mm/ø13.5mm, 13m², G102 (08 128 100)

²⁾ Filter cartridge 325 x 1320mm/ø13.5mm, 26m², G102 (08 129 000)

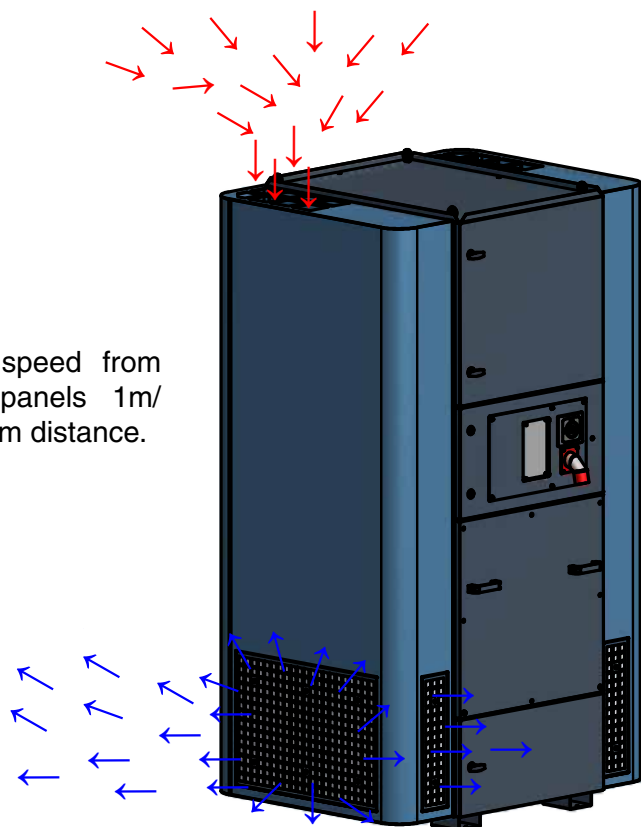
Airtower module option on Gram Filterline type FL 52 & 104 - also valid for W3-units:

Type	Order no Filterline	Order no. module PFL*	kW	Weight incl. PFL [kg]
FL 52/VE 5500	04 621 000	04 640 000	5.5	580
FL 104/VE 7500	04 623 000	04 645 000	7.5	730
FL 52/VE 5500/W3	04 621 900	04 640 000	5.5	580
FL 104/VE 7500/W3	04 623 900	04 645 000	7.5	730

* Please, note: Cannot be retrofitted



Max. air speed from diffusion panels 1m/sec. in 1.5m distance.



Rev. 11.20 Data is subject to alterations.

