



4 | Work and dust



**Take care of your work –
our system will do the rest.**



Only with the right system do professionals become real professionals. In the Click & Clean System every detail has been thought through. Bosch develops dust extractors, power tools and accessories that are precisely harmonised with each other.

The new Click & Clean System brings together what belongs together: it connects dust extraction systems directly with nearly all Bosch

power tools. They can then be quickly changed if required.

But the right system not only ensures cleanliness, it also keeps everything organised. For example, every L-BOXX can be directly clicked onto the new Bosch dust extractors and offers space for power tools and accessories. This transforms your dust extractor into a mobile work station that makes your day-to-day work easier.

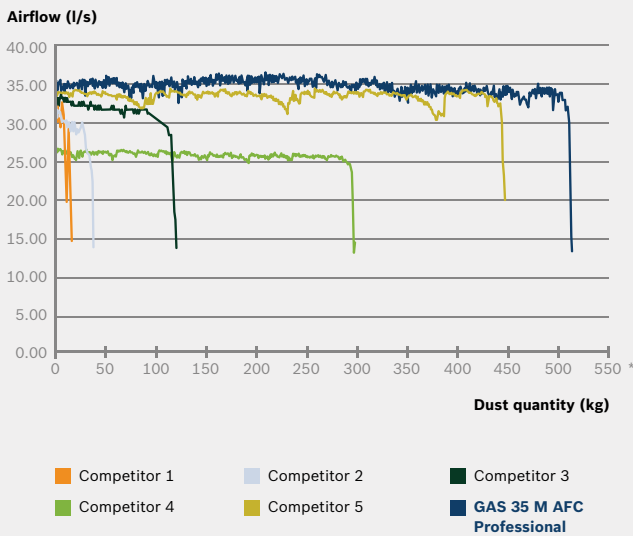


6 | Advantages

Your customers will thank you for it. And so will your tools.

A clean workplace is more than just a good calling card to your customers. A environment that is low in dust equally protects tools, accessories and health. And you save time because you no longer have the hassle of having to clean up.

Regular filter cleaning for lasting performance



Thanks to the regular cleaning of the flat-pleated filter, the Bosch wet and dry dust extractors with automatic filter cleaning (AFC) offer a high volume flow rate for excellent extraction results – even when large amounts of material are taken in. The flat-pleated filter can take over 500 kg of dust, which is the equivalent of more than 27 full canisters, without a noticeable loss of performance. Due to the optimum automatic filter cleaning and the long lifetime of the flat-pleated filters, they do not have to be changed until large amounts of material have been extracted, which saves you time and money.



Good view, good cut!

“I need a clear view of my work-piece, especially when routing. The extractor has to collect the chips directly where they originate. That works superbly with the dust extraction system. It enables me to work precisely, cleanly and quickly, and the dust extraction additionally protects my tool and accessories.”

Gisela Haehnle, master carpenter

* Test to assess the effect of the filter cleaning was conducted with various brands of conventional dust extraction systems with the standard scope of delivery.



Clean work makes a great impression

“Has someone worked cleanly here or were they sloppy?” If the workplace is left clean, this question will not even be asked. After all, aside from the quality of the work done, that is often the first thing that your customer notices about your work. You also save time if there is no need for additional cleaning. This is also something that your customers will appreciate.



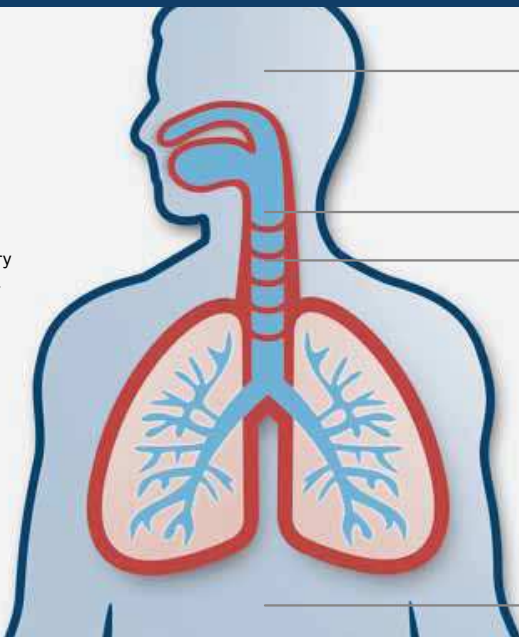
Good for your back.

The click-on L-BOXX that keeps your tool within reach, the ingenious hose reel on the extractor and the (semi-)automatic filter cleaning also make work easier for your back. For this reason, the new dust extractors in the Click & Clean System, the GAS 35/55 Professional, have been certified and recommended by Aktion Gesunder Rücken e.V.* (Campaign for Healthier Backs).

Illnesses caused by dust

Your health is your capital.

Dust is a serious danger for every professional. What often used to be derided out of ignorance is governed nowadays by strict work safety measures. And for good reason because certain types of dust are carcinogenic. The professional Click & Clean System from Bosch enables you to comply with statutory regulations and protect your health.



Inhalable dust

(e.g. wood dust) can lead to problems such as acne, dermatitis and skin cancer.

Respirable dust

(e.g. welding vapours, quartz powder, asbestos) can lead to asthma, asbestosis, cancer, COPD and pneumoconiosis.

* Certified and recommended by Association Forum Healthy Back – Better Living and Federal Association of German Back Schools. More information: AGR e.V., Pf. 103, D – 27443 Selsingen, Phone + 49 4284/92 69 990, www.agr-ev.de



8 | Advantages

Working with low levels of dust provides measurable advantages.

The Click & Clean dust extraction systems from Bosch Professional not only make work easier, they also make it quicker and cleaner: dust has less of an effect on your tools and accessories, which increases their lifetime. Working with low levels of dust also enables higher cutting speeds and protects your health on a long-term basis.



Measurement without dust extraction



Measurement with dust extraction

Bosch makes the difference

The following tests were conducted in the measuring laboratories of BG Bau (independent German trade association of the construction industry). The GNF 35 CA Professional wall chaser and the GEX 125-150 AVE Professional random orbit sander were used during the tests, with each of them connected to the GAS 35 M AFC

Professional dust extractor. All measurements and results have been evaluated by BG Bau. Measurements were taken with and without a dust extraction system under otherwise unaltered conditions. The accumulated dust was measured on a test subject equipped with measuring instruments and sensors.



Without dust extraction



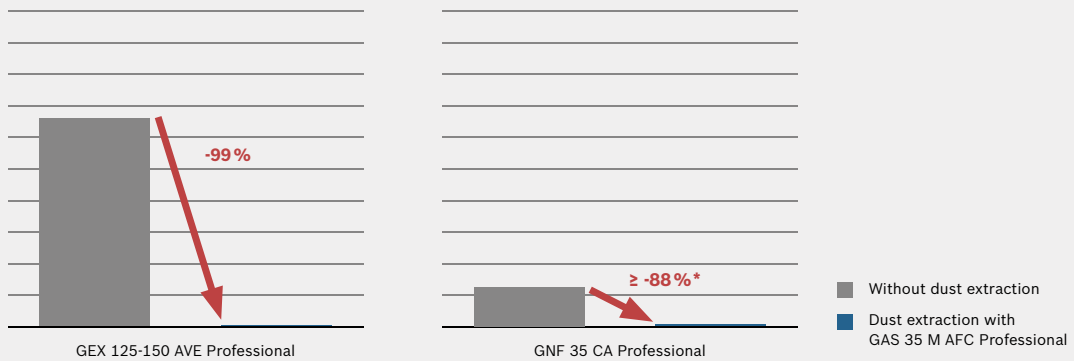
With dust extraction

Using dust extractors protects your accessories

Extensive tests have proven that using dust extractors protects your accessories. On the left you can see a sanding disc after 5 minutes of use without a dust extractor, while on the right you can see a sanding disc after 15 minutes of use with a dust extractor. You therefore save time and money because your accessories last longer, you have to change them less often and you achieve a better sanding result more quickly.

Lasting health protection – Inhalable dust (E-dust)

Dust concentration in mg/m³

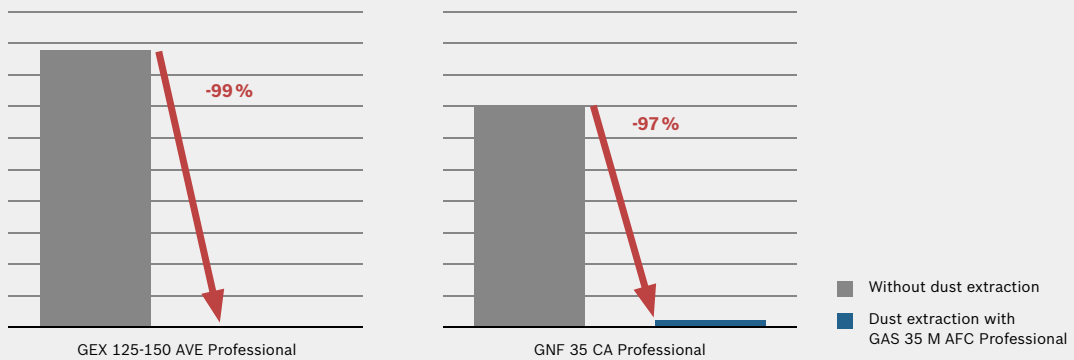


* The measured value without dust extraction is a minimum value because the filter was overloaded with dust and was not evaluable.

The statutory limit values applicable in Germany were complied with during the tests of the Click&Clean System consisting of GAS 35 M AFC Professional wet/dry dust extractor and GNF 35 CA Professional wall chaser. BG Bau has classified these products as a coordinated system in the best category, namely “Type 1”.

Lasting health protection – Alveoli / Respirable dust (A-dust)

Dust concentration in mg/m³






The Click&Clean System consisting of GAS 35 M AFC Professional and GEX 125-150 AVE Professional random orbit sander was also classified by BG Bau as a coordinated system in the highest category, namely “Type 1”, because it complied with all statutory provisions applicable in Germany. You can view the results of these two measurements in the online portal of BG Bau at www.gisbau.de.

It is clear with both power tools that many more dangerous dust particles get into the air when working without a professional wet/dry extractor. As explained on P. 7, a distinction is made between inhalable and respirable dust. If you minimise these dangerous types of dust, not only will you be protecting your health, you will also be complying with statutory provisions on work safety.

Not all dusts are the same.

Which is why not all systems are the same.

Each type of dust is different. The way to deal with them is also different. International standards govern the technical requirements for dust extraction systems. Dust extractors are divided into the dust classes L, M and H according to the international standard EN / IEC 60335-2-69 Appendix AA. The individual countries then define which dust extractor class is required for each type of dust. This distinction applies to the entire dust extraction system, not only to the filters. Which system is right for you therefore depends primarily on the materials you are working with. The following table gives you a quick initial overview.

Dust class	Maximum permeability	Maximum allowable concentration	For example*
L 	≤ 1.0%	• Dusts with maximum allowable concentrations (MAC) > 1 mg/m ³	<ul style="list-style-type: none"> • Corian • Graphite (in small quantities) • Soft woods (spruce, fir, pine)
M 	< 0.1%	• Dusts with maximum allowable concentrations (MAC) ≥ 0.1 mg/m ³	<ul style="list-style-type: none"> • Wood dusts (beech, oak) • Concrete containing quartz
H 	< 0.005%	• Dusts with maximum allowable concentrations (MAC) < 0.1 mg/m ³	<ul style="list-style-type: none"> • Carcinogenic dusts (lead, carbon, tar, nickel, cobalt, copper, cadmium, etc.) • Mould, bacteria, germs • Formaldehyde • Asbestos

* Due to the different regulations and specifications in the countries, we cannot accept any liability for the contents. Please always observe the national, prevailing regulations.

	GAS 20 L SFC Professional	GAS 25 L SFC Professional	GAS 35 L SFC+ Professional	GAS 35 L AFC Professional	GAS 35 M AFC Professional	GAS 55 M AFC Professional
Container volume, net	19 l	25 l	35 l	35 l	35 l	55 l
L-BOX fitting	–	–	•	•	•	•
Filter cleaning	SFC (semi-automatic filter cleaning)	SFC (semi-automatic filter cleaning)	SFC+ (semi-automatic filter cleaning)	AFC (automatic filter cleaning)	AFC (automatic filter cleaning)	AFC (automatic filter cleaning)
Dust class	L	L	L	L	M	M
Tool socket with automatic on/off switching including delayed action shutdown	• (without delayed action shutdown)	•	•	•	•	•
Integrated holder for accessories, cable and hose	•	–	•	•	•	•
Suction power adjustment with false air opening	•	–	•	•	•	•
Continuously variable suction power adjustment	–	–	–	•	•	•
Automatic shutdown when max. liquid level is reached	•	•	•	•	•	•