LUFITAT

zehnder
always the best climate

Always the best climate for

PURE AIR

Perfectly equipped with Zehnder original filters to the new ISO 16890 air filter standard

Be sure with Zehnder original filters to the new ISO 16890 air filter standard

Zehnder ventilation units provide rooms with a permanent supply of fresh and healthy air. The original filter in your ventilation system plays an important role here. In order to better evaluate filter performance, the standard that tests filter performance has now been adapted. Here you can see the most important changes at a glance.

+ NEW NAME – SAME HIGH PERFORMANCE

With Zehnder, you can make the perfect choice for an ideal indoor climate every time. High performance is a given when it comes to the development of our original filters. Due to the perfect coordination of the ventilation system and the original filter, the required standards had already been met even before the introduction of the new ISO 16890 air filter standard. So essentially only the name of our filters has changed – but the performance is still the same.

- With the ideal combination of ventilation system and original Zehnder filters, you can be assured.
- This means that our filter set for Zehnder ComfoAir Q, for example, is no longer called F7, but instead ISO ePM1 greater than or equal to 50%.

+ FOCUS ON YOUR HEALTH

Did you know that we inhale 15 kg of air per day?

- A high concentration of fine particles in the air, such as pollen, spores or soot adversely affects the body's health.
- It's the very small particles, in particular, that reach our respiratory tract and bloodstream.
- Once inhaled, they can affect our sleep, our concentration and our overall performance.

Be sure with ventilation systems and original Zehnder filters.

- In developing our ventilation systems, we at Zehnder attach great importance to your health. With our original filters, the amount of unhealthy particles in a home is already considerably reduced.

The ISO 16890 air filter standard has superseded the previous standard, EN 779, with regard to filter assessment and classification since January 2017 and comes into force in its entirety as of 1 July 2018.

Particle sizes and filter classification according to the new ISO 16890 air filter standard

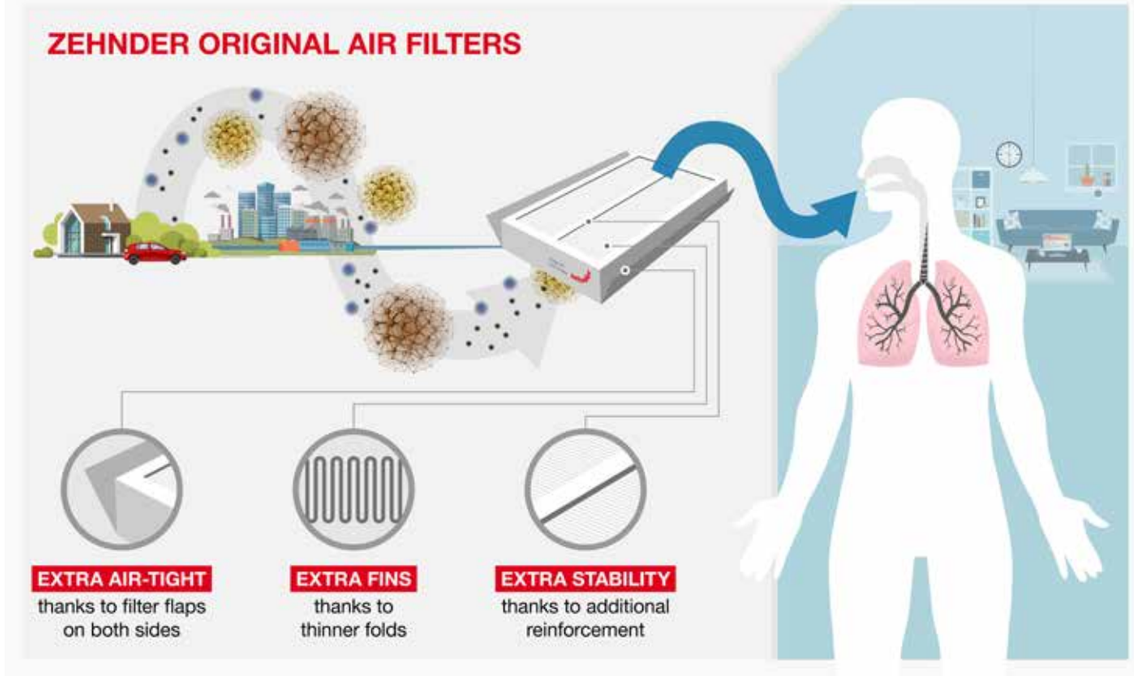
+ ISO 16890 AT A GLANCE

Realistic assessment of filters

- ISO 16890 replaces the EN779 standard, whereby only a single particle size of 0.4 µm was used to assess filter performance
- Fine dust, such as soot or pollen, however, comes in different sizes, which are often invisible to the naked eye
- ISO 16890 now divides filters into four classes that filter a certain particle span out of the air
- To be assigned a category, a filter must separate at least 50% of the respective particle sizes.

Innovative technology that inspires confidence

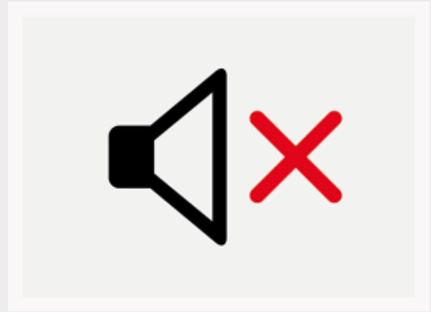
Enjoy a healthy indoor climate with Zehnder original filters, which last longer than conventional filters. Moreover, Zehnder original filters are not only significantly quieter, they're also more energy-efficient. Meaning that the filter you have at home is a bona-fide sustainable product, which promotes your health and, at the same time, saves money.



Product features of Zehnder original filters

Longer life-cycle

Longer life-cycle compared to conventional filters is ensured thanks to 20% increase in fins as well as the impressive stability of our products.

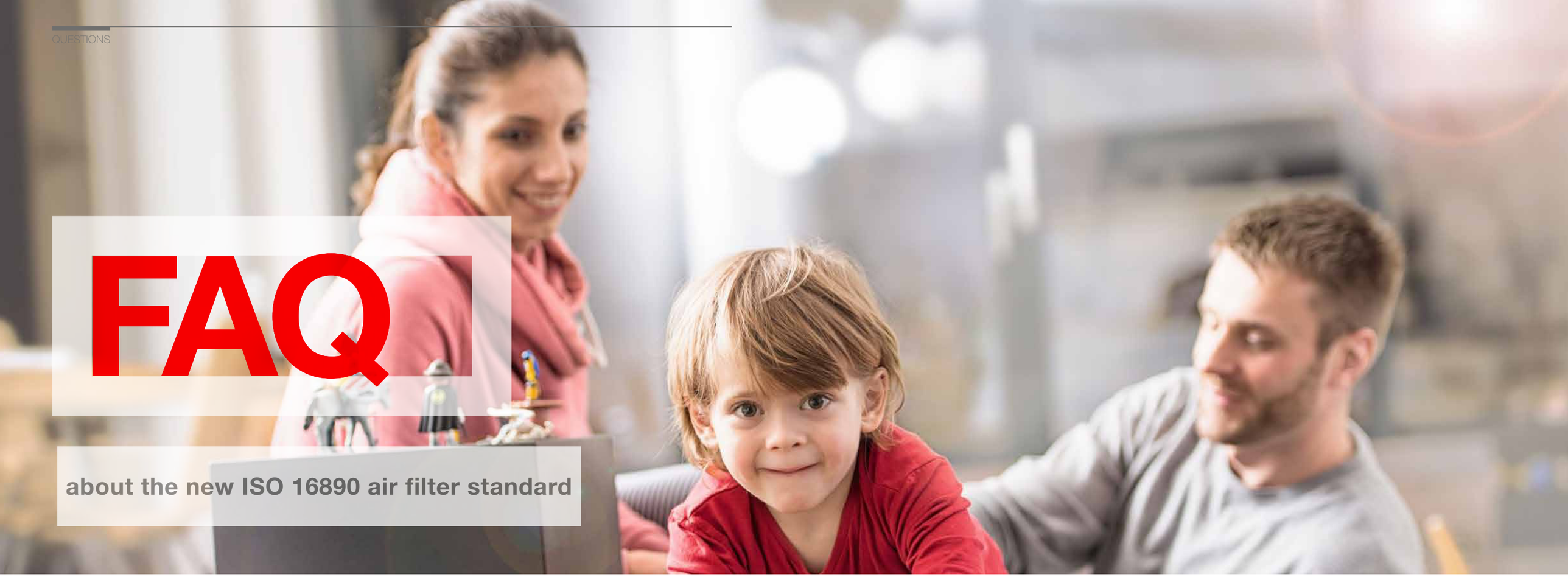


Quieter

With original filters, our ventilation systems are virtually inaudible. With conventional filters, the ventilation systems are up to three times louder. Thus, original filters reduce stress caused by noise.

More efficient operation

With original filters, your ventilation unit requires less power than conventional systems. This is achieved through the higher air density produced by the original filters.
Additional filter flaps also ensure that all of the air passes through the filter – guaranteed.



FAQ

about the new ISO 16890 air filter standard

Why do I need comfortable indoor ventilation?

Comfortable indoor ventilation promotes good health, since optimal oxygen levels and draught-free air promote better sleep, concentration and productivity. In light of the increasing fine dust exposure and the allergies it causes, many people are adopting a new perspective: one in which a healthy indoor climate and clean air in the home are becoming ever more important.

Which filters do I have to buy according to the new ISO 16890 standard?

The following system will guide you through the new designations:

M5: ISO ePM10 > 50%

F7: ISO ePM1 > 50%

F9: ISO ePM1 > 80%

G3: ISO Coarse 50%

G4: ISO Coarse 65%

I still have an older filter. How long can I use it for?

You can continue to use filters that were still tested under the old standard, EN 779. According to the new ISO 16890 standard, these are now only referred to as ePM 1, ePM 2.5 and ePM 10.

How often do I have to replace the new filter?

The filter replacement periods have not changed.

Do the new filters improve air quality?

Even before the new standard came into effect, our solutions were fully compliant with all of its requirements – only the measurability is new.

We offer individually tailored, sustainable solutions for an energy-efficient, comfortable and above all, healthy indoor climate that meets the highest health standards – so you can always breathe freely at home.

As someone with a ventilation unit, what will change for me?

The new filter classification reflects our actual outdoor air situation much better and even the tiniest particles are now measured as part of the calculation. It's not possible to directly translate values from the old system into the new one since the new standard depends on the individual properties of each filter. The new standard eliminates familiar designations, such as F7 or M5. The new filter classes are now called ePM10, ePM2.5 and ePM1.

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