



Information Sheet Ventilation

- ▶ High quality
- ▶ Wide product range
- ▶ Customized design
- ▶ Energy and environmentally friendly filters

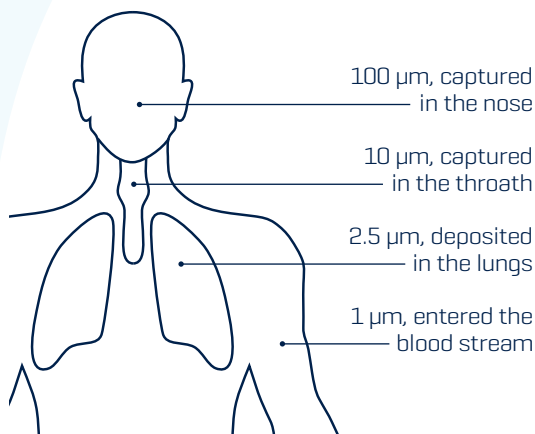
▶ New filter classes – ISO 16890

Why a new standard for ventilation filters?

In recent years there has been an increase in the focus on environment and health. This has led to the new standard. According to World Health Organization (WHO) air pollution is the biggest environmental risk against human health.

The human body has a built-in defense mechanism against particles larger than 10 µm. However, the air is full of particles smaller than 10 µm, and when entering the body they cause harm to the human health.

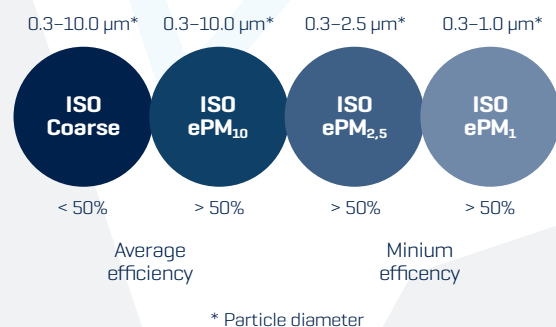
A new standard for ventilation filters will assist you in choosing a filter that can protect the human organism against particles smaller than 10 µm.



What is the difference between EN779:2012 and ISO16890?

Basically the new ISO16890 standard acknowledges more particle sizes – respectively PM10, PM2.5 and PM1. It uses a new set of methods, making the test process more similar with the existing conditions at the customers.

PARTICLE OVERVIEW – The 4 ISO groups



This means, however, that well known filter classes ranging from G1 to F9 will no longer be used. The following four new filter groups are introduced [See figure above] ISO Coarse, ISO ePM₁₀, ISO ePM_{2.5} and ISO ePM₁, all containing several filter classes. These new filter classes make it possible to select a filter that suits the exact need of your customer.

The filter class of a ventilation filter will, in this new standard be described as e.g. ISO ePM_{2.5} 65%.

konfAir guides you in the transition phase

We would like to help you in the transition with the new filter classes. The konfAir sales team are ready to help you choose the right filter – no matter if you use the old or the new phrases for the filter classes.

Furthermore, we will show both the new and the old filter class on future order confirmations as well as on the actual ventilation products themselves.