Effective pollen filters for LUNOS ventilation systems

Every year the time of the pollen flight begins again with spring. Ventilation systems equipped with good filter technology ensure peace and quiet and recreation through effective protection in the living area.

The decentralised home ventilation systems from LUNOS Lüftungstechnik GmbH are, of course, already equipped with the best possible filters. If required, however, they can also be retrofitted with special pollen filters:

Exhaust air system
Here the pollen filter 9/FIB-P can be inserted into the external wall air diffusers ALD.

Hybrid system
With this combination of exhaust air units and e² series with heat recovery, the e² series can be equipped with the 9/FIB-P pollen filter.

Ventilation with heat recovery
Since e² and ego provide supply and exhaust air in this ventilation system, both units can also be equipped with pollen filters.
The pollen filter 9/FEGO-P can be used for the e^{go} and the 9/FIB-P for the e² series.

Sound insulation screen 9/IBS
Of course, the sound insulation screen can also be operated with a pollen filter. Type 9/FIB-PL is recommended here.

Volume flows with pollen filter
An electrostatically charged film filter produces the balancing act of high volume flow and long-lasting, effective pollen filtration. The electrical charge makes it possible to achieve a degree of separation of > 98 % with a particle size of 10 µm.

At the same time, the volume flow rate of the ALD with pollen filter for the three adjustable volume flows is also available:

at 8 Pa negative pressure: 22 m³/h, 17 m³/h and 13 m³/h
at 4 Pa vacuum: 14 m³/h, 10,5 m³/h and 8 m³/h

When the pollen filter is used in the e² and e^{go} series units with heat recovery, there is no effect on the volume flow.

Another advantage of the electrically charged filter is its long service life. Even a heavily loaded filter hardly reduces the volume flow rate. Cleaning of the filter is also possible, for example by means of vacuum cleaner.