



# Operation instructions

## Filter replacement in TYPE series assembly units





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The device has been manufactured in accordance with the EU standards EN1886, EN13053.

**This documentation must always be handed over to the user!**

**In case of non-compliance with the warranty conditions listed below in the documentation, VentiAir s.r.o. reserves the right to refuse warranty.**

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## FILTERS

Air handling units are equipped with plate or pocket filters of class G3 - F9, which are for single use only. The combination and configuration of filters is arbitrary depending on the functional configuration of the unit. The units must always be operated with air filters fitted.

Dirt on the filter limits its permeability, which reduces the unit's performance. If the pressure drop across the filter exceeds the expected value, it must be replaced (this value is available in the technical data sheet of each unit). Exceeding the allowable degree of filter contamination can cause a significant decrease in the air output of the unit and can even lead to the filters being pulled out of the mounting structure and damaging the fan.

It is important that filters of the same filter class are fitted when replacing the filter. The replacement interval of the inlet filters depends mainly on the degree of air pollution. Proper use of inlet filters extends the service life of the filters of the second or third filtration stage.

The unit must be shut down during filter replacement. The filter chamber also needs to be cleaned.

If the filters have a filter part secured with foil or other means, it is necessary to remove it before installing the filters and putting the units into operation.

When replacing the filters, the mounting system (*Pic. 1*) is loosened with a spanner (*Pic. 2*) and, after replacing the filters, tightened so that the filter frame adheres firmly enough to the filter holder structure and has no play. Contaminated filters must be disposed of in an environmentally friendly manner.

*Pic. 1: Filter mounting system in the filter chamber*



*Pic. 2: key to loosen / tighten the filter attachment system*

