

Duplexvent Flexi Range Filter Maintenance Guide

MVHR (Mechanical Ventilation with Heat Recovery) units require regular filter maintenance (cleaning or replacement). The Airflow MVHR units have been designed to facilitate convenient access to the filters with easy maintenance in mind. The Airflow filters are tested and compliant with ISO 16890. This filter replacement guide is specific for the following products:

Product no	Description
90001062	Duplexvent Flexi DV650
90000183	Duplexvent Flexi DV1100
90000068	Duplexvent Flexi DV1600
90000069	Duplexvent Flexi DV2600
90000070	Duplexvent Flexi DV3600

Before opening the MVHR unit's door for cleaning, filter replacement or general maintenance always make sure that the equipment is disconnected from the mains power supply and prevent its reconnection to the mains by another person.

Filter replacement indication

Replacement is carried out depending on the dust load of the external and internal environment and the subsequent contamination of filters and an increase in air resistance indicated by the differential manostats every 500 to 2000 running hours.

For units equipped with RD5 control system, CP Touch Controller part no: 90000710.



The unit is supplied with filters, individually packed (usually located on top of the units).

As standard, the appliance contains outdoor (e1/ODA) and extraction air filters (i1/ETA), which must be kept dry and clean. (Please wear protective devices such as respiration protection, gloves, etc).

The filters are designed to capture dust particles and thus protect the occupant's health as well as the other parts of the appliance from contamination; therefore, they need to be checked and replaced regularly.

Carry out filter replacement operations only if you do not suffer from allergies to dust particles. Avoid replacing filters when people with such allergies are present.

The filters are replaced when the final allowed difference between filter pressures or the time interval for replacement have been reached or if the filters show technical or hygienic functional defects. Earlier replacement or shorter replacement intervals are desirable if this is a requirement following a hygiene inspection.

When replacing the filters, avoid the contamination of the surroundings, other air handling parts of the appliance as well as the rooms being ventilated. Make sure that the newly installed filters have not been contaminated by dust from the old ones. After opening the unit door, slide out the contaminated filters from the guide rails and insert the new ones.

During insertion make sure that the arrow showing the direction of air through the filters is visible from the operator's side and always points towards the heat recovery exchanger.

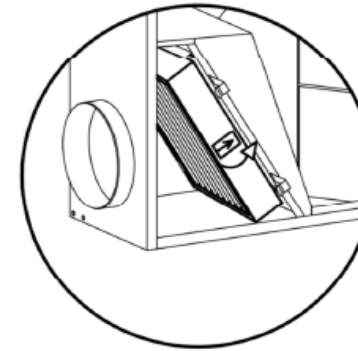
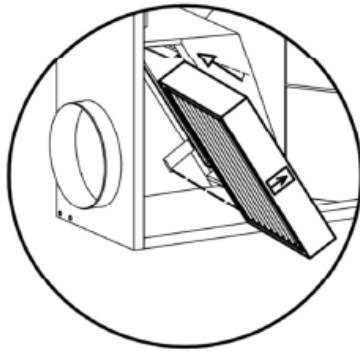
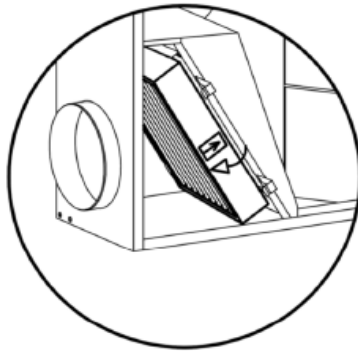
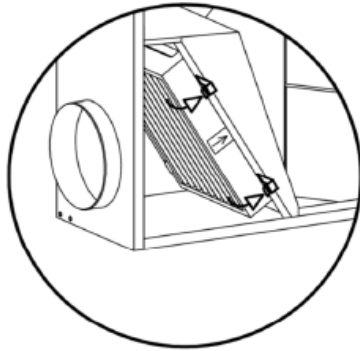
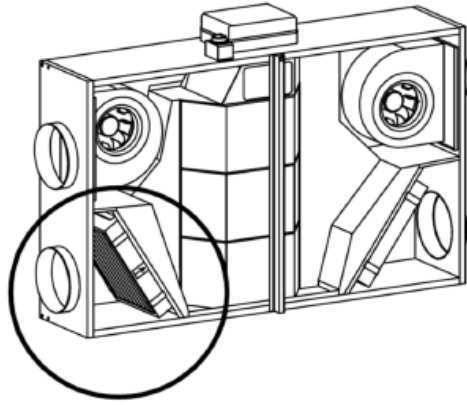
Make sure that each section (supply, exhaust) has filters with the correct filter grade.

Dispose of the contaminated filters in the general waste.

Record the date of filter replacement appropriately, e.g. in the operational logbook.

Using original filters ensures that the ventilation unit has high performance.

Fitting the filters:



Product no	Description	Dimensions (mm)	Pcs required/unit
90000083	DV1600 ePM10 50% (M5) Spare Filter – Flexi DV1600 (1 pc)	390x550x96	1
90000084	DV1600 ePM10 55% (F7) Spare Filter – Flexi DV1600 (1 pc)	390x550x96	1
90000085	DV2600 ePM10 50% (M5) Spare Filter – Flexi DV2600 (1 pc)	475x700x96	1
90000086	DV2600 ePM10 55% (F7) Spare Filter – Flexi DV2600 (1 pc)	475x700x96	1
90000139	DV3600 ePM10 50% (M5) Spare Filter – Flexi DV3600 (1 pc)	690x690x96	1
90000140	DV3600 ePM10 55% (F7) Spare Filter – Flexi DV3600 (1 pc)	690x690x96	1